

ccagcaacag	caagaaacat	agcataaggt	ttgtgacatt	atctgcaaca	aatgccaaaga	480
caaatgatgt	gcgagatgtc	ataaaaacaag	ctcaaaatga	aaagagcttt	ttcaaaagga	540
aaaccatcct	ttttattgat	gagattcatc	ggttcaataa	atctcagcag	gacactttcc	600
ttcctcacgt	ggaatgtggg	acgatcactc	tgattggggc	aaccactgaa	aacccttcct	660
tccaggtcaa	cgctgctctt	ctgagcgcgt	gtcgagtgat	tgttcttgag	aagcttccag	720
tagaggcaat	ggtgactatt	ttaatgcgag	cgatcaactc	cctgggaatc	cacgtcctag	780
actctagccg	tcccactgac	cctctgagcc	acagcagcaa	cagcagctca	gagcccgcga	840
tgttcataga	ggataaagca	gtagacaccc	tggcttacct	cagtgcggt	gacgcccag	900
ctgggttgaa	cggactgcag	ctggcgggtc	tggctaggtt	aagctctagg	aagatgttct	960
gtaagaagag	tgggcaatcc	tattctccca	gtagagtctt	gatcacagag	aatgcagtga	1020
aggaggcct	acagcgatcc	cacattttat	atgaccgggc	aggtgaggag	cattacaact	1080
gcatctccgc	cctgcacaag	tccatgcggg	gctcagacca	gaacgcctcc	ctctactggc	1140
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cctggcagct	ttgtgcaatg	aattaatggt	ataaggaatt	atctattttg	tcatagtatt	1860
taagtcataa	tgatcatttca	gaattcagtt	ctgtaggatt	ttcttttctt	taaaaaatgt	1920
atattctggg	tagttttaat	tggtaaaaaa	atgtaattgt	gatttaatac	tgcatagtgt	1980
tttgggtatt	ttttttatat	gcaaaggtct	tacgagccaa	taaaactatt	tcaaagtaaa	2040
aaaaaaa						2047

<210> 4311

<211> 2319

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2235)...(1431)

<223> similar to gi3168911 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4311

ttttgtgtgc	aatacaaaata	aaattttttat	atttatTTTT	tattcctaca	gagaagaaga	60
aacacattcg	tacaagggtt	catttcccag	tggtaaagt	tactgagaaa	aatacattta	120
acaaagtaac	tcaaggatac	aactgctgtg	aattcaaaaag	acagactact	acaggaaaag	180
tgagtgcact	tactttcata	ttttgcagct	gttaatagaa	gtcttaaaca	tttaaaattt	240
aactaattca	cacaacctcc	accaagtatc	agtaaataaa	cttctaaaca	ataaaaaatgg	300
ataaacatgg	tcaggttggt	aggtaagag	ctaaaaattt	catttttgctt	ccatgggtgc	360
aaccatgagt	cttaaggcct	tcaaagcata	aacatcacag	aacacctatc	acaaaccaca	420
aaccaaccac	aggaaaaccc	tttttatact	gtgtatcttc	tgtatttcat	taaacctaat	480
aagccatcag	ttgtaagatg	catcctaatt	cagagatgtc	acaaagtga	ataagtatct	540

ctggatcaat	aaaatatggt	atgtatatat	acccgagata	tgagaggaaa	ctattttacca	600
gtttgaatta	cttccatact	attgtgccaa	acaacaatta	agtgtcaaaa	cattgaaatt	660
ttatgtagg	aagcttttta	ttattgtttt	ctttacagga	acaataatcc	aaacaaatct	720
tgaaccaatc	tataaacaga	aaacctgtta	tataaattat	tatctatfff	tgcaatacat	780
caaaatactg	tattgatgaa	aataaataga	taacaaaaac	caatattaca	ttcattttcta	840
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aactgaaaca	caacagggtac	gtacaattac	gccactgtta	aggactgcag	attacacgtg	960
ttaaagcttt	tcttaataaa	atgggaacac	attgctagg	acacagaaac	atgatttttgc	1020
cctaaagaac	agctgaactg	ttgagagaag	caagggtctc	ctagcggcct	tccagtgtag	1080
cagataatat	tacctgtgt	aacagagtat	tacagagttt	tgcatfctcc	aagtctgtaa	1140
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cccatatatg	atagaatagt	tctcacacac	tgtaagatt	gatttacttt	tttattagga	1260
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ccataaatcc	aagatagagc	caatcataaa	gttcaggaga	ttctgtgcaa	ggctgacaat	2100
atttctgtgc	attcgttctc	tgctctcttg	ggcatacccc	acattctcca	tatatfctcag	2160
ttgagccatt	tttaataaat	agggctcttc	cacaataaag	tccaaggcat	gctggttgaa	2220
tatcgacagc	catgggcccgc	ctgaaggttt	ttttcgagaa	gcgctagatc	agcggatctg	2280
gcagctgcac	cgaacatccg	ggccacagcg	agctcggcg			2319

<210> 4312

<211> 1703

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (110)...(1015)

<223> similar to gi4589524 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4312

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gtgggcttgg	ctgtgctgta	tgatgggac	tgggcttctg	tgttgaggtc	agtcttcaat	120
gggtccaatg	gaggatggat	tcttgatga	tggcgtggg	gatcagcctc	ttcatagtgg	180
cctgggttca	cctcactgct	tcagtcacca	caatggggaa	agagtggaa	gatattctcg	240
aaaggtgttt	gtaggcggat	tgctccaga	cattgatgaa	gatgagatca	cagctagttt	300
tcgtcgcttt	ggcctctga	ttgtggattg	gcctcataaa	gctgagagca	aatcctatft	360
tcctcctaaa	ggctatgcat	tctgtctgtt	tcaagatgaa	agctctgtgc	aggctctcat	420



tgatgcatgc	attgaagaag	atggaaaact	ctacctttgt	gtatcaagtc	ccactatcaa	480
ggataagcca	gtccagattc	ggccttgga	tctcagtgac	agtgactttg	tgatggatgg	540
ttcacagcca	cttgaccac	gaaaaactat	at ttgttgg	gggtgttcctc	gaccattacg	600
agctgtggag	cttgcgatga	taatggatcg	gctatatgga	gggtgtgtgct	acgctgggat	660
tgataccgac	cctgagctaa	aatacccaaa	aggagctggg	agagttgcgt	tctctaataca	720
acagagttac	atagctgcta	tcagtgcctg	ctttgttcag	ctgcagcatg	gagagataga	780
taaacgggtg	gaagttaagc	catatgtcct	ggatgatcag	ctgtgtgatg	aatgtcaggg	840
ggcccgttgt	ggggggaaat	ttgctccatt	tttctgtgct	aatgttacct	gtctgcagta	900
ttactgtgaa	tattgctggg	ctgctatcca	ttctcgtgct	ggcaggggaat	tccacaagcc	960
cctgggtgaag	gaaggcgggtg	accgccctcg	gcatatttca	ttccgctgga	actaaaggat	1020
aactgcagtg	ctcatttttca	ggcctcagaa	taagtgcact	cttctgttca	ttctgacccc	1080
ttcctcaacc	tcttcacgct	ggcatgtcct	tttgtagcag	tctgtaactt	aactatagta	1140
taatgaaaag	aatgacctat	aatatagggtg	ttttgtagat	tcttgtgtca	ctgcaaacia	1200
tatgaactcc	tttttcgtat	tgccatcggg	ttgcatggaa	gttttattct	cttgttttgc	1260
tggaaaccaa	gaggatccaa	acttcctgca	acattttctt	agaggagaga	gagaaatatt	1320
aaaagagaaa	tgaacaata	gagtattttg	ggtttttaat	taaattattg	ttaataatat	1380
aacatataag	aatactttta	ttaaaataac	catgcaacia	taacactatc	ggctctattg	1440
acagtttttc	ccccagggaa	gtgcttttgc	cttttccttt	ctttttattt	tactctcttc	1500
atcttttttg	tctctctctt	ttttccatcc	ctttttaatt	tttttaacag	caatggagga	1560
agttaacaat	ttttaatgga	aagagcatgt	tagagcaaac	aaatgcataa	gcaagactga	1620
gcagcattat	aattaatttt	caggggtttg	aggctgaaca	taatttcatt	atccctcaaa	1680
aagttaccac	cacatcagaa	aaa				1703

<210> 4313

<211> 2071

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2000)...(1156)

<223> similar to gi3789797 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4313

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gctttacatg	tttcattcca	tacacagtga	aaaaggcaaa	gtattactag	gaaggaaatg	120
agtagttggg	tttgtaaaaag	at ttattgat	cacataaaaag	caatgaatag	gagatgacat	180
atatctaact	catgattaca	aaacttttag	agacaactag	gttaaataat	tcatgttttg	240
gctaagggaa	aagaattcat	gatctcgta	aagaagttca	aagtcaacac	tgatattgta	300
caactaccag	tgctttttcta	atgatctaga	aatttgctat	aaatagcttt	actttttgct	360
agttaatcac	ttactatgat	tgggttttat	ttaacagtga	ggactaaaga	ggcagaatcc	420
ttttttaacc	actggataaa	acagagacat	aaattaatga	tgggtgctaa	gctttacatt	480
ttatgttaaa	aagatggaat	atatttaagt	ggattgaata	tatttcatga	ggagttggac	540
atattaaacc	cccaaactctg	tttaggaagt	tttgtgagaa	agtgtgtata	tgccctgact	600
cactctggct	tactttttaa	atggaataca	tttggcacta	aataaaataa	atagacaagc	660
aaactgtgag	actaagctgc	tccatctgag	ttgccatct	tgacttacaa	ttcatactat	720
ttcttagttc	ttgactgagc	acaaacagac	ctaaccgtat	agcacttctg	tgatgcatga	780
aaatagaatc	tagagctaag	atactgcgct	tcactgatga	gccaatcttc	tattctgccca	840
aaatcatagt	tacaaatgtg	aaattcattc	aagaaattca	cattttttaac	aaatgcttat	900

actttttcaa	gttttcttgc	tagatatgtt	cttggttttg	tggccagcta	aaatatgatc	960
tttgaattaa	ggaaatccat	ataaaaagaaa	catctatttt	ataggaacct	catttccactt	1020
gaaactttct	ttacaaaaac	accaaaccac	aactttgtca	ccaaactcct	ggaacaaagc	1080
actggtggct	atatttcaga	gtctgaagtc	cactcatttt	tcatgtttca	aggggtctctt	1140
catttgctcc	acaagtatcg	acaacacaaa	ttaaacaact	tgtgactgga	aaagcacgaa	1200
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gaccaacacc	ctgaaaacca	gccaagacat	aaactataga	gccaactgct	gcacatttca	1320
ctgttacacc	cttccatggc	attggtgaga	ccatcttcca	ttcgttcaac	ttaatatcgt	1380
aatattccac	attgtccaga	ccacctaaac	cattctgacc	accacagca	aatatcttgt	1440
cttttaca	taccagccca	tgattcttcc	tggttcaat	cattggacac	agctcagtc	1500
atgtttctgt	ggcaggatca	taaacttcac	aggaattaag	cactctccca	gaaacattgt	1560
ttcctaaact	tccaccacaa	acatagatta	ggccattggc	ttccaccatc	ccatggctgc	1620
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tatccttcac	tacattatag	cagtcatttc	gctttattgg	gaaaagctga	gagcctccca	1860
aaatgtatac	tacattgtcc	caaaacacgc	atgctgcac	tcttcgtttt	tcaaaggggc	1920
agcggatgtc	tgtccagcta	taatcctttg	ggttaaaata	tctacaagac	tgtggttgag	1980
agcctccaaa	tagggctatg	cggtagtcac	gtttctttct	tctaggtctt	gtgccatcta	2040
caagttcttc	tcggtcatct	ggagacagta	g			2071

<210> 4314

<211> 1797

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (26)...(1040)

<223> similar to gi5689453 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4314

cggacgcgtg	ggcggacgcg	tggggctata	catgtgtgtg	gagtttctct	ggaagtctga	60
gcgatatgaa	ctcattgctg	atgtcaacaa	gcccatcatt	gctgtctttg	agaaacaacg	120
agacttcaaa	aaattgtcag	atctctacta	cgacattcat	cggtcataac	tgaaagtggc	180
agaggtgggtg	aattcggaga	agcggctggt	tggtcgctac	tatcggtgtg	cattttatgg	240
gcagggcttt	tttgaagaag	aagaaggtaa	agagtatatt	tataaagagc	ctaagctgac	300
aggtctgtcc	gagatttccc	aaagattact	caagctctat	gcagataaat	ttggagcaga	360
caatgtgaag	ataatccagg	attccaacaa	ggtaaacccc	aaggatttgg	accccaaata	420
tgcctacatc	caggtgacct	atgtgacgcc	gttctttgag	gaaaaggaaa	tcgaagaccg	480
gaagacagat	ttcgaaatgc	accacaacat	caaccgcttt	gtcttcgaga	cacccttcac	540
gctgtcgggc	aagaagcacg	gtggggtggc	ggagcagtgc	aagcggcgga	cgatcctgac	600
aacgagtcac	ctgttccccct	acgtgaagaa	gagaatacaa	gtaattagcc	aatcgagcac	660
agaactgaat	ccaattgaag	tggcaattga	cgagatgtcc	aagaaggttt	ctgagcttaa	720
tcagctttgc	acaatggaag	aagtggacat	gatcagactg	cagctcaaac	tgcaaggaag	780
tgtcagcgtg	aagggttaatg	ctgggccaat	ggcctatgca	cgagcttttc	ttgaagaaac	840
caatgcaaag	aagtaccctg	acaaccaagt	aaagcttttg	aaggagatct	tcaggcaatt	900
tgcagatgca	tgtgggcagg	cccttgacgt	gaatgagcgc	ctcatcaaag	aggaccagct	960
ggagtaccag	gaagaactga	ggtcccacta	caaggacatg	ctcagcgaac	tctccacagt	1020

catgaatgag	cagattacgg	gcagggacga	cctgtcaaag	cgcgagtg	accaaacctg	1080
cactcgagta	attagcaaag	caactccggc	cctaccacg	gtctccatct	catctagtgc	1140
tgaagtctga	ggactctgca	gcatcagacc	cacctctaag	agaactttct	gaatttgcag	1200
ctaattctcg	ggaagagaaa	gataggttta	atatttttga	agttttcatg	gtgttaatat	1260
ttttgtttac	ctcgctagct	tcagaatttt	gccaacctct	gaatttgcac	attttgtata	1320
attttttttt	tctttgagca	gtgttgatca	agccaagttg	aatatttgcc	atgaaattcc	1380
agtgaatgtg	tagctcaaag	gcaaacccta	agtttgctgt	ccagttattg	tatgggtccag	1440
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ccatatttcc	agatgtaaat	aaaagattgt	aaaatatacg	gtttttaccc	aaatttaaaa	1560
gacccctttt	agttaatact	atgacagtac	taaaaatata	tgaataacat	ttcagatacc	1620
attatattaa	aatattttgtg	tatgtgtacg	aaaagcgttg	ataaatacta	atctttaaag	1680
tttggtgag	tccttttattt	gtaatatatg	tgctctttaa	agcaatggga	tgtgaaatta	1740
tgaaggtatt	ttattgttca	tagaaataaa	aaacacagtt	actttgcaa	aaaaaaa	1797

<210> 4315

<211> 2514

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1880)

<223> similar to gi5281314 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4315

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gtctccatct	gatggcgaa	gttttatgca	gctggctaga	gatatggcaa	agagttacta	120
tgaagccaat	gatgttactt	ctgctattaa	cataattgat	gaagctttct	caaaacacca	180
gggcctagtc	tccatggaag	atgttaacat	agcagctgaa	ctatatattt	ctaacaacaa	240
gtatgacaaa	gctttggaga	taattacaga	tttttctgga	attgtgctgg	aaaaaaaaaac	300
ttcagaagaa	ggcacctcag	aagagaataa	agctcctgag	aatgttacct	gcactatacc	360
tgatggcgtg	ccaatagata	tcacagtga	gttgatggtc	tgcttgtac	atctcaacat	420
tcttgaacca	cttaatcctc	tcttgacaac	actagtagaa	cagaatcctg	aagatatggg	480
agacctatac	ctagatgttg	ctgaagcttt	tctggatgtt	ggtgaatata	attctgcact	540
tcccctcctc	agtgtctctg	tttgctctga	aagatacaac	cttgacgtag	tttggtctcg	600
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catgctttta	aaggtagcaa	tgaatcgagc	ccaagtttgt	ttgatatcca	gttccaagtc	960
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aaaggatgac	tggtggaatc	ttctgttgaa	ggccatatac	tccttatgtg	acctatcccg	1140
atttcaagag	gctgagttgc	ttgtagattc	ctcattggaa	tattactcat	tttatgatga	1200
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gctctggaac	attttcaatc	aagttaccat	gcactcccaa	gatgtacgac	atcatcgctt	1380
ctgtctccgt	ttgatgctga	aaaaccacga	aatcatgcc	ctatgtgtct	taaatggaca	1440

caatgcattt	gtatctggta	gttttaagca	tgcgcttgga	cagtatgtgc	aagcctttcg	1500
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atctcagaag	tatgtgttac	ggagacatgc	tcttattgta	cagggctttt	cctttcttaa	1620
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tccacttggtg	gtagagggtg	tagaacttga	ccagttagac	ttacgaagag	atattgccta	1800
caacttgtct	ctcatctatc	agagcagtg	gaataccgga	atggctcaaa	cgcttttgta	1860
tacctattgt	tctatataaa	gcaccgcaac	tgagaacaga	gcaatggcag	ctgctgtgtg	1920
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ttcagaatta	cctaacaac	agtgtattta	tttttaatat	gtgataatga	tcttgtggta	2040
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ctatagtga	ttgttcccaa	tgttgaaatg	gacgtgtaag	cctttgagct	agcttggagt	2160
cgaatacact	atttttcact	cacaccattt	attcatcttt	gtatttaata	cctatagctc	2220
tgtcaatata	acatgaggca	gtttttcaaa	tacgtataaa	cagaggttgc	ttattattaa	2280
aggaaagaca	aagtgggact	ctttatgatg	tcatagacca	tgataactaa	gcacctaaga	2340
aaattattta	aactagttat	cgtggtaggc	agaaagacaa	ataatttagt	tttttacttt	2400
tcaccagcat	gtatcttagc	tacctaaact	gaaacatggg	aggctgggct	taattcaaaa	2460
tatattgctc	caaggcaaat	aaaaaaatgc	tttatctaaa	agtcgacgcg	gccg	2514

<210> 4316

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3) ... (1305)

<223> similar to gi498727 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4316

gtggaagggc	cttcatacat	gcttcccata	ttcaggaaca	tcagagaatt	catactgggg	60
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atcattgcat	gggccacaca	ggagagaaac	catacaaatg	tgaggactgt	ggtaagtgtt	180
tcacttgtag	ctcaaacctt	cgtatccata	aaaggggtcca	cacaggagag	aaaccttaca	240
agtgtgaaga	atgtggtaag	tgctttattc	agccttcaca	atttcaggcc	catcggagaa	300
tccacactgg	agagaaacca	tacgtatgta	aagtgtgtgg	taagggtttc	atttacagtt	360
caagttttca	ggcccatcag	ggagtccaca	ctggagagaa	gccatacaaa	tgcaatgagt	420
gtgggaagag	cttcagaatg	aaaattcatt	atcaagtgc	tctggtagtc	cacacagggg	480
aaaaacccta	taaagtgtga	gtatgtggta	aagccttccg	tcagagttca	tatcttaaaa	540
tccatctgaa	agcacatagt	gtacagaaac	cttttaagtg	tgaggagtgt	gggcagggct	600
tcaatcagag	ctcacgactt	cagattcacc	agctgatcca	taccggtgag	aaaccataca	660
aatgtgaaga	gtgcggaaag	ggatttagtc	gtaaagcaga	tcttaaaatt	cattgtagga	720
tccacacagg	ggagaaacca	tataattgtg	aggagtgtgg	gaaggcttcc	agtcaggcct	780
cgcattcttct	aacctatcag	agagttcaca	gtggggaaaa	accattttaa	tgtgaagagt	840
gtgggaagag	cttcagtcgg	agtgcacacc	ttcaagccca	tcaaaaagtc	cacactggag	900
aaaagccata	caaagtgtgg	gagtgtggaa	agggcttcaa	gtggagcttg	aaccttgaca	960
tgcatcagag	gggtgcacaca	ggagaaaaac	cctatacatg	tggggagtgt	gggaagcact	1020
tcagtcaggc	ctcaagtctc	caacttcata	agagtgtcca	cacaggagag	aaaccataca	1080
aatgtgatgt	atgtggtaaa	gtcttcagtc	ggtcttcaca	attacagtat	cataggcgag	1140

ttcacactgg	ggaaaaacct	tacaaatgtg	agatatgtgg	taagagggttc	agctggcgat	1200
caaatcttgt	aagtcatcac	aaaattcatg	ctgctggtac	attttatgaa	aatgatgaga	1260
atagtaagaa	catcagagag	ttgtcagagg	gaggaagttc	tacaagggtga	ttaaaaaaaaa	1320
aaaaaccaaa	cctcttgtcc	accctgaagg	cttgaaatta	aatttcatag	gggggaaaaaa	1380
ttttttttat	cacccttttt	gaattttatt	gattggaaac	gctccacatt	tccccctaaa	1440
cttttttttg	tttttaattt	ttggtttgga	aacaaaatct	ccttttgttg	cccatgctgg	1500
aggcaggggg	gctattttaag	ttcactgaaa	cctccatttc	ccgggttaag	a	1551

<210> 4317

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (137)...(400)

<223> similar to gi4103857 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4317

cgaacccgga	agtgagatgc	aaggcggcga	ttttcccttc	tgtcagatct	tgatgaacaa	60
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agaatagtag	taaaaaatgg	aaaaagaaaa	aggaaatgat	gatggaatac	cagaccaaga	180
gaattccttg	gatttttctg	aacactttta	ccaacttgaa	ttgttggaag	cacatggaca	240
ccttattcct	actggtactc	aaagtctttg	ggtaggcaat	tctgatgaag	atgaggagca	300
agatgacaaa	aatgaagagt	ggtatcgatt	gcaagaaaaa	aaaatggaaa	aagaccaaac	360
cagattgctt	ctttgggctg	ctgaaaaaaa	tcgggttaaa	aaaaaaatta	cagagggaag	420
tgtgacagta	ggaaaagcac	tgggttcaag	ccaaaagacc	tgcccttact	gttatggcca	480
tcataacctat	ctct					494

<210> 4318

<211> 1877

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1877)...(630)

<223> similar to gi183002 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4318

aagggttggc	gggggttggg	ggtggggtgg	cgttattggg	ttctggttta	tattgttcca	60
------------	------------	------------	------------	------------	------------	----

caaggatcac	acaacctaga	tcttttgc	gcacagttca	caatagggtt	cccactcctg	120
tgagaatcta	atgtcactgc	tgatctgaca	ggaggtggag	ctcaggctgt	aatgctcact	180
tacctgctgc	tcacctcctg	ctgtgtggcc	gggttcctaa	gaggccacag	atcagagcta	240
gtctatggcc	tgagggttgg	gaagccctgc	tctaggtaac	ataatcccct	tatgagaaat	300
tagacagatg	acattgagat	gcaagggaaa	gcctctcctg	atgaaacat	cccaatatca	360
cgcataaatg	aaggcagtg	tacaatgtcc	cttatacaat	ttataatctc	ttaaaggaag	420
caataaacat	ttaaactatt	ggactactgg	gatgtacatt	ttaccagata	ccagcatcat	480
aatcttataa	ctctatatga	aagtttgaaa	aaataattat	aaagtttatt	taaatgttga	540
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gaaactccca	tatttagcac	tttagagtaa	aacacatgga	tcacgttat	taacagtcct	660
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ctgtgcagcc	gtttcctgca	tctgtgttct	ctgcattttc	tggtgctctg	ccagccaatt	780
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catttgctcg	ttctgccttt	gaatcgccgc	caacctttgc	gcttcagcct	tttcagcttc	900
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gaagagatta	tggcctcctg	gcttagaata	aattccctgc	ttcactgctt	cttctagagg	1140
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aactctttga	tcactacctt	gctttggcct	tagggaattc	tccaggtatt	catctggtgt	1800
gacaagtgtc	ccatctattt	ccaggcctaa	gcaaaaaatc	ctcagagtcc	acactaagtc	1860
tggaagaag	ctcgcag					1877

<210> 4319

<211> 4157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(3465)

<223> similar to gi5689521 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4319

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ctgcccacct	ccccggggcc	ggccctcgcc	gccaagggcg	ccctgaaagc	cggagtgggg	180
gaaggcgggtg	gcgggggagg	tcgcctcgcc	cacggggcg	cgcgctatga	cagcggcg	240
gtttccaacg	gagactgcag	cctcggcgtg	tccggggacg	aagccggggc	tagccctacc	300
aggggacccc	gcggcggttc	gctcgccccg	acccccagcg	cggtcgtctg	taccctcccc	360

cgaggagagca	agccggggcgg	cctgccccgc	cgagcagca	tcatcaagga	tggtaaaaa	420
cagaagaggg	aacggaaaaa	gacagtctca	ttcagcagca	tgccaacaga	gaagaagatc	480
agcagtgcaa	gtgattgtat	taattcaatg	ggtgaggggt	cagaactcaa	aaagggttcgc	540
tccaactcta	gaatttatca	taggtacttt	ttactggatg	ctgacatgca	gagcctaagg	600
tgggagccat	ctaagaagga	ttctgagaaa	gccaagattg	acattaaatc	catcaaggaa	660
gtgagaacag	gaaaaaacac	agacatatct	cgcagcaatg	gcattttctga	ccagatatct	720
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aactccgcag	atggtgcaa	catctgggtt	acaggactgc	ggtaccta	ttcttatgga	840
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caaatgttta	gtgaaattga	tgtagataac	cttgacata	taactctgtg	taatgctgtg	960
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gaattgcata	aatcaaagga	caaagctggg	accgaggtca	caaaggaaga	atttatgag	1080
gtttttcatg	agctttgtac	tagacctgaa	atttatttcc	ttttagttca	gttttcaagc	1140
aataaagaat	tccttgatac	caaggacctt	atgatgtttc	ttgaggcaga	acagggtgtg	1200
gcacatataa	atgaggaaat	aagccttgaa	attattcaca	aatatgaacc	atccaaagag	1260
ggtcaggaaa	agggctggct	ctccatagac	gggttacta	attaccttat	gtcacctgac	1320
tgttatatat	tcgatccaga	acataagaag	gtctgtcagg	atatgaagca	acctctgtct	1380
cattacttta	taaactcatc	tcataataca	tacttaatag	aggatcagtt	ccgaggcccc	1440
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tcaaattgct	ctggggtaga	aggagatggt	actgacgaag	atgaaggagc	agaaatgtct	1860
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acaattttctt	aagatggaaa	tggattggat	tgtcaaatta	ttattttattg	gagaaaaaaa	3840
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ttatgataaa	aaaaaaaa					4157

<210> 4320

<211> 5185

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(2560)

<223> similar to gi3327110 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4320

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ctacatcaga	ggctaactgt	tctgccatgt	ttggaaaact	gatgaccata	gcaaagaatt	180
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cagatatattg	tgtgagagaa	atagcccgga	aacttgcaaa	tcctaagcaa	ccaacaaatc	360
cttttctaga	gatgggtcaaa	tttctgttgg	aaagaatcgc	acctgtgcac	attgattcag	420
aagccataag	tgcactagtg	aaattgatga	ataagtcaat	agagggggaca	gcagatgatg	480
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caagagtact	tctgttaaca	ggaaagccaa	agcctgctgg	agtactaggt	gcagtaaata	1980
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ctgaacagaa	aatgaagctc	acttcagaac	acacactctc	tgcttgaaa	actaaagaga	2700
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tgagagagag	gctaaaagca	actctgttct	cccccttccc	ctagactttt	cttacgaaaa	2820
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agggaaacaat	ggataccaat	gatagaaaat	gataccttta	caggggcaga	aaaatcccca	4320
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ggatttcaca	tctcagagaa	ctacaacaca	aaagtgcaga	cttatatttg	agaattaatg	4920
ttaacacctt	gtgtctagtt	tgaagcttct	tgtatttgtc	taaaacaaca	agccagaatt	4980
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gcacatgggc	tgaattttta	aatttttttt	taaaaacttg	aagcagaacc	ttgtaatttg	5100
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aaaaccaaga	aatgcagcat	tataa				5185

<210> 4321  
 <211> 633  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(389)  
 <223> similar to gi5824882 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4321

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gaatggaagc	tcagaaggga	gaatcacaca	tggtctccaa	cttaagagcg	cctatgaaaa	180
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ctattccaag	actcatatga	acgtgcttgg	tgtcctgggg	cctttagatc	ctcaatggct	300
ggttgagaac	aacatcactg	ggtgtccaca	ccctcacatc	ccttcagacc	acttctcact	360
gttaacacaa	cttgaactcc	accctccact	cctgcctctt	gtcaatgggtg	ttcacttgcc	420
taatcggagg	tagtggagta	ctgccccgcc	aagacgggga	tctgttgcta	tggaacctgta	480
cagttgtaaa	tcaaagtatg	taggagtgaa	gtatggccat	ccttaagctg	cttcttcagg	540
tttctttcat	tatgtggttg	ctgtaagact	ttgtacattt	ttgtgcatat	tggtatcatt	600
tggcagtagg	gctggaacca	aagtattact	ctt			633

<210> 4322  
 <211> 1799  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1800)...(1060)  
 <223> similar to gil572819 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4322

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agagtttata	ttcattagat	ttattttatc	atttaaaaaa	ttactgcctc	taggttatcc	180
tagcctgata	tagaacactt	ggtgacacat	gcagttactg	taatatacta	taacagacac	240
agccattata	gaatgattta	cacttgggat	gaaattcaac	agtagtaagg	gtgactcttt	300
atttaaacta	aaaacattgg	taatatacaa	attttttttt	tatttcattg	aaagggttat	360

aaaattcaac	atactgacaa	ggaagcaaca	taatcacata	gataacgcct	ctgctaattg	420
cttttaccta	acttcaccct	taaaggtgag	ctgcacactc	agctacacaa	gtttctagac	480
tgtgcatg	gcttcaaggc	tgggcctacc	acaactgact	gaaaaaatgt	catgttggtg	540
agctgacact	gacttgtatg	tttttaaaaa	tggagagaca	atggcaaatt	gtaccttatg	600
tccttataga	acccaaagga	tcattctgag	taaatgtgaa	ataaataaag	tgatccatga	660
gtaaatacaa	tctctgggct	aacttaaacc	tagaagagt	agccaagtga	gcactaacia	720
taccacttag	aaatgtctag	aaacatcatt	tctagaactc	agcttgggag	accatatctt	780
gcctgaatat	gtacatatat	ttacaaaata	ttcccttttg	gcctctggaa	tttagccatt	840
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cattaaaata	ctcttatgca	tgaattacaa	atattaataa	agtaactctg	catgtataaa	960
tatctcaata	attctagcag	aacttaaagc	attcagaatg	tacataaaaag	tatttgtttt	1020
tggtagggac	agtattttctt	tttatatcat	cgctgtttca	ataatgcttt	gtacatagca	1080
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gcacagtatt	caaaggattt	gggattgctg	acatcatata	ccaggcatac	aacatcacia	1440
atgatttcag	cttcagttag	aaattccgat	tctgagatat	catgcaacia	caagtatttc	1500
tcttgtccat	atacataaac	agtgttaatc	gcatagtagg	atztatgatc	ttcacgaatt	1560
ttctctgcc	tcattaagtt	tcttccaaga	agagcctgaa	gaactccact	tttcccacag	1620
tttttcactc	caattacatt	acatctgaac	acatttcttt	gagtttggtt	tttctgcagg	1680
tctatctttt	tatctcttgt	cactgtaaca	gctgaagctt	gagactcttg	ctcagtcatt	1740
attgaatagc	ctagatagcc	caaattattc	aggcaccgct	gtacatctaa	ataagtcgt	1799

<210> 4323

<211> 3141

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (584)...(1064)

<223> similar to gi599776 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4323

cgggtcgacg	atttcgtact	atacctaate	tgcttggaa	taaatccaga	tctaggctct	60
acttttattt	attccattct	tgcaatgatt	gaatgacctt	ctcttttgta	aaaaattgag	120
ctatagttta	cataccatca	aaatcaccct	tttgatgtat	acaactcagg	ggtgattagt	180
atattcacaa	aagggtgtgct	agcatcacca	ctgtctcatt	ttggagcatt	ttcatgcccc	240
caccatgaag	accatgtcca	ctggcagcca	ttcccatgac	ctttccttgt	gagatctcca	300
gttatcactt	tgcacaagct	gatgaattgc	tgttcttgat	aatactgagc	tttcacaatc	360
acagttgcc	gagaaacatc	agcgggcttt	agctggggca	gagcttagca	agtgttgggg	420
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gctggttgca	gacatagatg	agtgtgaagt	ttctggcctg	tgaggcatg	gagggcgatg	600
cgtgaacact	catgggagct	ttgaatgcta	ctgtatggat	ggatacttgc	caaggaatgg	660
acctgaacct	ttccaccgga	ccaccgatgc	cacatcatgc	acagaaatag	actgtggtac	720
ccctcctgag	gttccagatg	gctatatcat	aggaaattat	acgtctagtc	tgggcagcca	780

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ccctccagaa	atgcggcacg	ccatcttggg	aggaaatcac	agctccaggc	tgggcgggtg	960
ggctcgctat	gtctgtcaag	agggctttga	gagccctgga	ggaaagatca	cttctgtttg	1020
cacagagaaa	ggcacctgga	gagaaagtac	tttaacatgc	acagaaattc	tgacaaagat	1080
taatgatgta	tcactgttta	atgatacctg	tgtgagatgg	caaataaact	caagaagaat	1140
aaaccccaag	atctcatatg	tgatatccat	aaaaggacaa	cggttggacc	ctatggaatc	1200
agttcgtgag	gagacagtca	acttgaccac	agacagcagg	accccagaag	tgtgcctagc	1260
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caatatttca	atattttaatg	aaacttgttt	gaaattgaac	aggcgttcta	ggaaagttgg	1440
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taatatcagt	agcagcagcc	gagatcccgga	gggtgtgctt	gacctacgtc	cgggtaccaa	1860
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accacgcctc	agactgagga	aagccaagga	gaaaaatgga	ccaatcagtt	catatcaggt	2040
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cttcttttagc	aacgcctctg	atgctgatgg	atacgtggct	gcagaactac	tggccaaaga	2160
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<210> 4324

<211> 2394

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1219)

<223> similar to gi2506078 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4324

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tggtactttg	ctgttatctc	tgtttctggg	gtttttgcag	tgacttttcc	tgtggtattt	180
gcatacgtag	cagatataac	ccaagagcat	gaaagaagta	tggttatgg	actggtttca	240
gcaacatttg	ctgcaagttt	agtcaccagt	cctgcaattg	gagcttatct	tggacgagta	300
tatggggaca	gcttggtggg	ggtcttagct	acagcaatag	ctttgctaga	tatttgtttt	360
atccttgttg	ctgtgccaga	gtcgttgcc	gagaaaatgc	ggccagcatc	ctggggagca	420
cccatttcct	gggaacaagc	tgaccctttt	gcgtccttaa	aaaaagtcgg	ccaagattcc	480
atagtgtgc	tgatctgc	tacagtgttt	ctctctacc	taccggaggc	aggccaatat	540
tccagctttt	ttttatacct	cagacagata	atgaaatttt	caccagaaag	tggtgcagcg	600
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ctccaggaca	caaagtgtgt	acgactgaaa	tcaggaagat	ttttctatca	gcacccaggt	1260
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tgtaacttct	tagatattag	caaatgtctc	tgctaccatt	tccttaaggt	gttgagcttt	1560
aactctatgc	tgactcagtg	agacacagta	ggtagtatgg	ttgtggacct	atttgtttta	1620
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gccttaatgc	agatgcacta	aaacaaagaa	atggtaaatg	aattgtttgc	atttaaaaaa	1740
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tataccacta	ttcttttaat	gtttgcataa	tcataagcac	ctcaacactt	gaatacataa	1980
tctaaaaatt	atatagtaaa	gctggtagcc	ttgaaaatgt	cagtgtgata	tctattatgt	2040
agataaatat	atatagtggc	ctttcaggac	tgtcacagta	acactttatt	tacagagcta	2100
atgtttgtcc	taaattttca	ggaccctaga	ggagagcttt	atacaattac	cgatgtgaat	2160
ttctctaaag	tgtatatttt	tgtgtccagt	tatattattt	aaaaaagtgt	tactttgtaa	2220
aaattgtata	taaagaactg	tatagtttac	actgttttca	tcttgtgtgt	ggttattgct	2280
taatgctttt	taaacttgga	acactcacta	tggttaaata	aaggaattaa	aagaaatgaa	2340
aatattaagt	taataaagtt	aaatatttta	atgatttttt	ttttaaaaaa	aaaa	2394

<210> 4325

<211> 1391

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1146)...(802)

<223> similar to gi5824412 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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taacagacta aagctgcagc atctgctttc atgttacatt tggcaaaaac aaaacaaaaa 180
gcacccccaa acccccaaaa taacaaaaaa ctcaagcaag tagagacgat aaacttcata 240
acacaaaaga aagattcaaa acctgttccc tcagtgttg gctgttgtca gtttgggcat 300
gcaggcaaat ttgttataac catgatggga aatgaaaata ttttaaggaa tccaggacag 360
tatttctatt taaccactaa ttcaaaaacc aagaagggaag aaaaaataac acaaggggac 420
accatacata cataaacatg aaaagctagc ttacataatt acataattag aaaagttaaa 480
taatttagta aaaataaatt cccagtataa acccaaaaaa gcatagctat aaatgcaatc 540
caaaacaacc aattagtaag ctggtcatgt ttttactgga aaacaacctt tctcattttt 600
gttcttacac aagcaagtaa ctggagaagc aggccagagt gcatacgagg atttaaacad 660
ggttgatctc gtggtacttt agatgcaact ttacctgtt catttgaaag tttaaataga 720
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acaaggggat tattgtgttc caactcctga tcaatttcat tctgtagctt atccaacatg 1080
aactctagtt tctggatcct ttctctctga ggcaagcccc tgtacagatc acgaccaatt 1140
tctttaactg caatgaaaac actgtcatcc agaccaccct cttttctcac taactttatt 1200
cctgtgctgt ttccccgttt agaaggactg tttggaccac agacctccgt gtcactgcct 1260
tcgttgctcg acgtgttggg tgtgtgtttt ggtgaagggt ctacgagatc ggttccctgg 1320
tcagaaaggc gagttttaga gacttgacgc aaatttaata aacgagaact agtattgatc 1380
ccacgcgtcc g 1391

```

```

<210> 4326
<211> 1025
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (71)...(379)
<223> similar to gi3355709 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<400> 4326
tggtcggcac cgctccggtt tgccgggtcg acccacgcgt ccgcccacgc gtccgcccac 60
gcgtccgaca caacttttgg aggaagatgg ggaatcttac tgggtgccgtg cactattcca 120
attaggcgag agtgaagaac acattgagct tgtggtgctg agctatttgg tgccccctcaa 180
accatttctt gtaatagtgg ctgaggtgat tcttttagtg gccaccattc tgctttgtga 240
aaagtacaca caaaagaaaa agaagcactc agatgagggg aaagaatttg agcagattga 300
acagctgaaa tcagatgata gcaatggtat agaaaataat gtccccaggc atagaaaaaa 360
tgagtctctg ggccagtga taaaaaacat catgtcgaga atcattggaa gatatacaga 420

```

gttcgtat	ttt	cagctttg	tt	tatcctt	cct	gttaagag	cc	tctgagtt	ttt	tagtttt	taaa	480
aggatgaaa		gcttatg	caa	catgctc	agc	aggagctt	ca	tcaacgat	at	atgtcag	atc	540
taaaggtata		ttttcatt	cct	gtaattat	gt	tacataaaa	ag	caatgtaa	aat	cagaataa	aat	600
atgttagacc		agaataaaa	at	taattat	att	ctgggtctt	ca	aaggacac	ac	agaacag	ata	660
tcagcagaat		cacttaata	c	ttcataga	aac	aaaaatc	act	caaaacct	gt	ttataac	caa	720
agaattcatg		aaaaagaaa	ag	cctttgcc	at	ttgtctt	taga	aagttatt	ttt	ttaaaaaa		780
atcatactta		ctattag	tat	ctatgga	agt	atatgta	aca	atttttat	gt	aaaggtc	atc	840
tttctgtgat		agtgaaaaa		tatgtctt	ta	ctaagtt	gaa	atgaata	actt	tctgcct	ttg	900
ctcatgatag		ttattct	taca	atctccac	aa	gaaaaata	tata	ccttttat	cc	ggaaat	attg	960
gtttaaggca		aataaata	aaa	actgtg	cttg	ctctaa	agct	ctgcact	taca	aaagcaa	att	1020
ttcca												1025

<210> 4327

<211> 945

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (947)...(650)

<223> similar to gil881289 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4327

ttttttttt	ttcactag	cc	acaaacatt	t	attggtg	ggg	tcaatac	gta	tatccttt	t	g	60
agaagtgtt	cgagccatt	c	atttgata	aac	tacaaac	acg	tcagaat	ctg	ttttact	g	g	120
atatttttg	cttgcatt	gac	aaggga	aaa	agattatt	gc	aaaattat	ga	atgaagt	cca		180
aaaggcctg	ttaaaaaaa		atctata	aaa	tggaagg	att	aaacact	gcc	cagccct	act		240
gtgtcaaca	agacggt	taca	attcaaat	ca	agaagaca	aat	cccataca	ag	tccagca	agg		300
cagatgttg	caagtaga	ag	ttaagca	atc	tgttata	caa	aatgcaaa	ag	gagttaa	aga		360
taaattaca	aaaataaaa		acaaaatt	ttt	agtcagaa	aaa	ctattact	ac	ataaag	ccat		420
ataagaatg	gtattagt	t	tttccttt	aa	gggaaa	agga	aatcaa	actg	ttggttt	tct		480
atttattcg	aagaaaaa	at	aaaggaaa	agt	gtttggaa	aaa	tatttct	gat	attaagt	gaa		540
ttatttctc	tctgctac	ct	agagttt	taca	aacaact	gac	ttatcct	tgt	caatctg	tgg		600
aaatgagaa	ataaaat	cag	cgtctgg	cct	tctgtgg	gata	ctcataa	cac	ccgaatg	agg		660
tccagagta	tcctagat	c	ggggatg	tca	atggtgag	ta	cttggact	tc	cactctt	tct		720
ccggggccc	gtccaagg	ct	tcttctct	tc	tttgtttt	t	aaagtttt	gc	ttctgtt	taca		780
tttcgtatg	gaatcag	ccc	agatttccc		actcctat	at	ccacaaaa	aat	tccaaag	aga		840
gtggcattc	caactttg	c	tgtaaga	act	gtcccaat	ct	gcagatct	tc	caggcata	act		900
atgcttctc	tgaatcag	g	ttatcaaaa		tctgttc	gaa	agtca					945

<210> 4328

<211> 1267

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (17)...(336)  
 <223> similar to gi961446 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4328  
 atcagggtcc tgtatgtcca ctgggttttat ccgagcagta caaacacaca gctctaaatt 60  
 ttttgaagaa gatggatcct taaaggagggt acataagata aatgaaatgt atgcttcatt 120  
 acaagaggaa ttaaagagta tatgcaaaaa agtgggaagac agtgaacaag cagtagataa 180  
 actagtaaag gatgtaaaca gattaaaaacg agaaattgag aaaaggagag gagcacagat 240  
 tcaggcagca agagagaaga acatccaaaa agaccctcag gagaacattt ttctttgtca 300  
 ggcattacgg accttttttc caaattctga atttcttcat tcatgtgtta tgtctttaa 360  
 aaatagacat gtttctaaaa gtagctgtaa ctacaaccac catctcgatg tagtagacaa 420  
 tctgacctta atggtagaac aactgacat tcttgaagct agtccagcta gtacaccaca 480  
 aatcattaag cataaaacct tagacttaga tgacagatgg caattcaaga gatctcgggt 540  
 gttagataca caagacaaac gatctaaagc agatactgggt agtagtaacc aagataaagc 600  
 atccaaaatg agcagcccag aaacagatga agaaattgaa aagatgaagg gttttggtga 660  
 atattcacgg tctcctacat tttgatcctt ttaaccttac aaggagattt ttttatttgg 720  
 ctgatgggta aagccaaaca tttctattgt ttttactatg ttgagctact tgcagtaagt 780  
 tcatttggtt ttactatggt cacctgtttg cagtaataca cagataactc ttagtgcatt 840  
 tacttcacaa agtacttttt caaacatcag atgcttttat ttccaaacct ttttttcacc 900  
 tttcactaag ttgttgaggg gaaggcttac acagacacat tctttagaat tggaaaagtg 960  
 agaccaggcg cagtggctca cacctgtaat cccagcactt aggggaagaca agtcaggagg 1020  
 attgattgaa gctaggagtt agagaccagc ctgggcaacg tattgagacc atgtctatta 1080  
 aaaaataaaa tggaaaagca agaatagcct tattttcgaa aatatggaaa gaaatttata 1140  
 tgaaaattta tctgagtcac taaaattctc cttaaagtgat acttttttag aagtacatta 1200  
 tggctagagt tgccagataa aatgctggat atcatgcaat aaatttgcaa aacatcatct 1260  
 aaaattt 1267

<210> 4329  
 <211> 940  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (941)...(298)  
 <223> similar to gil90936 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4329  
 tttttttttt ttgacgttgg cagtgcacatt tatttttctg ggggagggga gttatataca 60  
 gcagtgacct ggagcccctc acccccacca ggcttaggtg gggacaggag gcgttggcag 120  
 aaggcacaca gtggcagtag cccagaagag gccaggaagt aagggtgggt atgtgatgtg 180  
 tcttgggaga cccagatgag gaaattgagg ctcatgtagg gcctcaggtc acacagcaag 240  
 gtgcgaaggc agctagtccc gagagcttgt ggtggttgct tctctcttgc ctgggctaca 300



ggaggacgca	ggggcagccc	ccgcccttct	tcctgggggc	actgggaggg	ctcggtggga	360
gctcttggtc	ctggtatttc	cggacagccc	gcaccagctg	ctcaaaagcc	tcgtccacgt	420
tgagacgcag	tttggccgag	gcctcaaagt	aggccacgtg	gtgggagggc	ccgaaggcag	480
aggcttctga	tcgggggacc	tggcgctgtg	actccagatc	tgcttgttc	ccgaccaaca	540
caacggggaa	gtcgtcgcg	tccttgaccc	gcagaatctg	cgtgaagagc	ttgcccacct	600
cgttgaaact	ctgccggtca	ttaatggcga	acaccagcag	gaagccgtgg	ccagcacgca	660
tgtactgttc	tctcatggcc	ccgaactctt	cctggcccgc	ggtgtccagg	atgtccagcc	720
gggctgggat	gccatccaca	ctgcagatct	tcgtgtagga	gtcctcaata	gtggggtcgt	780
agtcagacac	gaagtaggac	tggatgaact	ggatggtcag	cgcgctcttg	cccacgccgc	840
cggcgccccc	gaccaccagc	ttgtgtgtct	cgtggggcgg	ggggtccccg	ggcccaggtc	900
ccccgccccg	gggcccggcc	cgcctgttcc	cggacgcgcg			940

<210> 4330

<211> 3821

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(2828)

<223> similar to gi577295 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4330

tttcgtcggc	agtggcgggc	cgtaggaggg	ggctctgggc	gtctttggta	ctggcttttt	60
taggggtctg	cctggggatt	acccttgctg	tggatagaag	caactttaag	acctgtgaag	120
agagtctttt	ctgcaagcga	cagagaagca	tacggccagg	cctctctcca	taccgagcct	180
tgctggactc	tctacagctt	ggtcctgatt	ccctcacggg	ccatctgata	catgagggtca	240
ccaagggtgt	gctggtgcta	gagcttcagg	ggcttcaaaa	gaacatgact	cggttcagga	300
ttgatgagct	ggagcctcgg	cgaccccgat	accgtgtacc	agatgttttg	gtggctgata	360
caccaatagc	ccggctttct	gtctctgggc	gtgatgagaa	cagtgtggag	ttaaccatgg	420
ctgagggacc	ctacaagatc	atcttgacag	cacggccatt	ccgccttgac	ctactagagg	480
accgaagtct	tttgcttagt	gtcaatgccc	gaggactctt	ggagtttgag	catcagaggg	540
cccctagggg	ctcgcaagga	tcaaaagacc	cagctgaggg	cgatggggcc	cagcctgagg	600
aaacacccag	ggatggcgac	aagccagagg	agactcaggg	gaaggcagag	aaagatgagc	660
caggagcctg	ggaggagaca	ttcaaaactc	actctgacag	caagccgtat	ggccccatgt	720
ctgtgggttt	ggacttctct	ctgccaggca	tggagcatgt	ctatgggata	cctgagcatg	780
cagacaacct	gaggctgaag	gtcactgagg	gtggggagcc	atatcgccct	tacaattttg	840
atgtgttcca	gtatgagctg	tacaacccaa	tggccttgta	tgggtctgtg	cctgtgctcc	900
tggcacacaa	ccctcatcgc	gacttgggca	tcttctggct	caatgctgca	gagacctggg	960
ttgatatatc	ttccaacact	gccgggaaga	ccctgtttgg	gaagatgatg	gactacctgc	1020
agggctctgg	ggagacccca	cagacagatg	ttcgctggat	gtcagagact	ggcatcattg	1080
acgtcttctc	gtgctggggg	ccctccatct	ctgatgtttt	ccggcaatat	gctagtctca	1140
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accgggacga	ggctgatgtg	ctggaagtgg	atcagggtct	tgatgatcac	aacctgccct	1260
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tgcggaacct	ggggctgtat	gttaaaaccc	gggatggctc	tgactatgag	ggctggtgct	1500
ggccaggctc	agctggttac	cctgacttca	ctaataccac	gatgagggcc	tgggtgggcta	1560

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ttcctgtcat	gaggccccctg	tgggtgcagt	accctcagga	tgtgactacc	ttcaatatag	2220
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tggtactcca	gacaaaagga	tctccagaaa	gccgcctgtc	cttccagcat	gaccctgaga	2760
cctctgtgtt	ggtcctgcgc	aagcctggca	tcaatgtggc	atctgattgg	agtattcacc	2820
tgcgataacc	caagggatgt	tctgggttag	ggggagggaa	ggggagcatt	agtgtgaga	2880
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gtccctcggc	agaaagacgt	ttccacacct	cttaggggat	gcgcattaaa	cttcttttgc	3540
ccccttcttg	tcccctttga	ggggcactta	agatggagaa	atcagttgtg	gtttcagtga	3600
atcatggtca	cctgtattta	ttgctaggag	aagcctgagg	gtggggggag	atgatcatgt	3660
gtgctcgggg	ttggctggaa	gccctgggtg	gggggttggg	ggaggactaa	tggggagtcg	3720
gggaatatatt	gtgggtattt	tttttacttc	ctcttgggtc	ccagctgtga	cacgttttga	3780
tcaaaggaga	aacaataaag	ggataaacca	taaaaaaaaa	a		3821

<210> 4331

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (192)...(450)

<223> similar to gi3171912 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 4331
cgacccacgc gtgcgggac ctatcgaaaa ggattgggtgc gactggggcca tgattagcag      60
gtagggggcag tgatggaggg tggctcaggc caggggggtgg acctgctcat tgcaggtaga      120
ccctgagtga gagtggggca ctcttctccc tgggtccacc ccctctctca ctcaagtcct      180
cttctgcccc taggccttat agcaccctgc gagattgcct ggagcacttt gcagagttgt      240
ttgacctggg cttccccaat cccttggcag agaggatcat ctttgagact caccagatcc      300
actttgccaa ctgctccctg gggcagccca ccttctctga cccccagag gatgtactcc      360
tggccatgat catagccccc atctgcctca tccccctcct catcactctt gtagtatgga      420
ggagtaaaga cagtgaggcc caggcctaag gggccacgag cttctcaca ccat              474

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<210> 4332

<211> 1837

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (678)...(1627)

<223> similar to gi5919217 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<400> 4332
acaagggtgtt tggcaccac aaagaccatg aagtttcaac gcttgacaca gctataagtg      60
ctgtaaagggt tcaattagca gaatttctag aaaatttaca agaaaagtcc ttgaggattg      120
aagcctttgt tagtgagata gaatcctttt ttaataccat tgaggaaaac tgtagtaaaa      180
atgagaaaag gctagaagaa cagaatgagg aaatgatgaa gaaggtttta gcacagtatg      240
atgagaaaag ccagagcttt gaggaagtga agaagaagaa gatggagttc ctgcatgagc      300
agatgggtcca ctttctgcag agcatggaca ctgccaaaga caccctggag accatcgtga      360
gagaagcaga ggagcttgat gaggcctgtc tcctgacttc gtttgaggaa atcaatgaaa      420
ggttgctttc tgcaatggag agcactgctt ctttagagaa aatgcctgct gcggtttccc      480
ttttcgaaca ttatgatgac agctcggcaa gaagtgacca gatgttaaaa caagtggctg      540
ttccacagcc tcctagatta gaacctcagg aaccaaattc tgccaccagc acaacaattg      600
cagtttactg gagcatgaac aaggaagatg tcattgattc atttcagggt tactgcatgg      660
aggagccaca agatgatcaa gaagtaaag agttggtaga agaatacaga ctgacagtga      720
aagaaagcta ctgcattttt gaagatctgg aacctgaccg atgctatcaa gtgtgggtga      780
tggctgtgaa cttcactgga tgtagcctgc ccagtgaag ggccatcttt aggacagcac      840
cctccacccc tgtgatccgc gctgaggact gtactgtgtg ttggaacaca gccactatcc      900
gatggcggcc caccaccca gaggccacgg agacctacac tctggagtac tgcagacagc      960
actctcctga gggagagggc ctcagatctt tctctggaat caaaggactc cagctgaaag     1020
ttaacctcca acccaatgat aactactttt tctatgtgag ggccatcaat gcatttgagg     1080
caagtgaaca gagtgaagct gctctcatct ccaccagagg aaccagattt ctcttggtga     1140
gagaaacagc tcatcctgct ctacacattt cctcaagtgg gacagtgate agctttggtg     1200
agaggagacg gctgacggaa atcccgtcag tgctgggtga ggagctgctt tcctgtggcc     1260
agcattactg ggaaaccaca gtcacagact gccagcata tcgactcggc atctgctcca     1320
gctcggctgt gcaggcaggt gccctaggac aaggggagac ctcatggtac atgactgct     1380
ctgagccaca gagatacaca ttttctaca gtggtattgt gagtgatgtt catgtgactg     1440
agcgtccagc cagagtgggc atcctgctgg actacaacaa ccagagactt atcttcatca     1500
acgcagagag cgagcagttg ctcttcatca tcaggcacag gtttaatgag ggtgtccacc     1560
ctgcctttgc cctggagaaa cctggaaaat gtactttgca cctggggata gagcccccg     1620
attctgtaag gcacaagtga tccttggtct tcagaatttg caagaacagc gatttgaatt     1680

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ttgggggggt	ctgctgttca	ttccttttagg	tgctatacat	tattcaaaaa	gtctcccgcg	1740
catttgcaact	aatgatggct	gcatgcatag	caatcagcat	gtgagcaaaa	tcgacaagaa	1800
aaccttgact	ttacagagca	gtgtgtgagt	aaacaga			1837

<210> 4333

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(603)

<223> similar to gi4768277 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4333

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cccagagagct	gtcggaaacgg	aagctggtgc	gcaacgtgcg	gcaatcgggc	gacgtttact	120
acaacaccgg	ggacgtactg	gccatggacc	gcgaaggctt	cctctacttc	cgcgaccgcc	180
tcggggacac	cttccgatgg	aagggcgaga	acgtgtccac	gcacgaggtg	gagggcgtgt	240
tgtcgcaggt	ggacttcttg	caacagggtta	acgtgtatgg	cgtgtgcgtg	ccaggttgtg	300
agggtaaggt	gggcatggct	gctgtgcagc	tagcccccg	ccagactttc	gacggggaga	360
agttgtacca	gcacgttcgc	gcttggtccc	ctgcctacgc	taccccccat	ttcatccgca	420
tccaggacgc	catggaggtc	accagcacgt	tcaaactgat	gaagaccgg	ttggtgcgtg	480
agggcttcaa	tgtggggatc	gtggttgacc	ctctgtttgt	actggacaac	cggggccagt	540
ccttccggcc	cctgacggca	gaaatgtacc	aggctgtgtg	tgaggggaac	tggaggctct	600
gatcacctgg	ccaacccact	ggggtagggg	tcaaagccag	ccacccccac	cccaacacac	660
tcggtgtccc	tttcatcctg	ggcctgtgtg	aatcccagcc	tggccatacc	ctcaacctca	720
gtgggctgga	aatgacagtg	ggccctgtag	cagtggcaga	ataaactcag	atgtgttcaa	780

<210> 4334

<211> 1009

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1012)...(507)

<223> similar to gi5788108 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4334

tttttttttt	tattaatatg	aacatatgaa	cctttattaa	gtggctcaca	tttcagtata	60
------------	------------	------------	------------	------------	------------	----

aatcacacta	aaaagatatt	taaaagctat	ttacactaca	gtgctgacac	attttaaagt	120
aaaaaaaaag	gatataaata	agctctatgg	aaaagcttta	aattgttgca	aaaagaattc	180
tggctcatat	tacaaaaatat	atatatatat	ttatatatat	atatatatgt	taatgtcagc	240
tctattctaa	aacctaaaat	tccaacgtaa	atgatttttt	tttaaagact	cctttatggt	300
taaacctgca	atgtttacag	tgcatctggc	cctaagtgtc	taatacttca	cagttatgga	360
caggcactga	ggaatgttac	aaagctacat	aaactatggt	ttgtaacaga	cataggagca	420
agtccttggc	ttgctttcag	aattcatgaa	tctttattac	attaaatttt	tttaaaaaag	480
gatttttagat	ggtatatgca	aatttagcac	aaaatgtcat	cgtctttttt	atcttgattt	540
gaatgtgctg	aactgtgttg	ccttgatatca	actagactta	gatttccagg	gcacaattct	600
tcctttaaat	ctttgttgct	attttcaaat	ttagaatcca	tgtcaatctt	aaattctgca	660
aattgaacat	gatccaattt	tgctttaaca	ttcttgccat	ccatattatt	cagtgtgcta	720
gtcttttcag	gaatattaac	attcacaggt	tcttccttga	ttcttacaga	tgcaataggt	780
tcatgtttaa	tctgctgtaa	ttcatattta	gaatgaagtt	tatctgaaaa	aacagaatcc	840
aaggaggcct	tgcttacagc	acaaatcatg	ttgtcagttg	gaggtccaag	aacagatgat	900
gtggaatctg	atgatgtgcc	tgtttcatga	gtagctgtat	tctgagaagt	gtcctcctct	960
gagtgatata	atttgagccg	aatatgccat	gctaaactgc	atacagctg		1009

<210> 4335

<211> 1536

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1185)...(564)

<223> similar to gi3874171 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4335

caggttatga	tttttaaacc	aaacccccga	tccaaaggta	gaaattgggtg	gccccctttg	60
agatcggggg	taaaagtgtg	cttaaacttt	ttttaaatat	tccaaccagg	ttaaacgggt	120
ttggaaatat	aaaaaagggg	tcccttttgg	atatagataa	aaatatTTaa	aggttttaat	180
tcatttggtc	atgtaggttt	ttcaaaattc	catgtatatt	ccaatgtgga	tggtactgaa	240
ttttgatcat	accagtttcc	ctcaggattt	atcagatttt	aaacatcctg	cagataagct	300
ggttgacaat	tccccagcag	ttcttttttt	ttttttcctt	tttcttttta	gattttttta	360
aacagagaac	aaagggattc	actcagagat	cagaatacga	agcttcctct	cagcatcatg	420
ggaggagata	aaataattca	ttctatggtc	tttgttccat	taagacttgg	tgctttcttc	480
agtaacagta	tgtgaaatgt	ggctgacttt	gagtccecca	ctgtgtaagt	ggaattattt	540
ttcactgcag	cattttctgag	tctttttctt	gttccttact	ctgaactgta	aaattaagtt	600
cataaaggca	tttggcaagg	gtggaggaag	cttccatgtt	actaatggct	agcactgata	660
agttattttc	atgtctcttt	aacaatctgc	gaccacattc	tgaatatTTa	ccaatatTTt	720
ttaatattaa	ggcagctgtt	agtcggatgt	gtttagttat	tggtccctct	ttttcatctg	780
taaaatctcg	aaagacaagg	tttcttgatc	ctctcctcag	agccataagt	gcagactggg	840
gatgattcac	aatggccttt	tgtgctctag	gagttgagct	tgtgccccct	acagttgggt	900
gcttggtaga	agacttctga	cttctgtctt	gtcctgggtc	atcttgTTTT	aatcctgcaa	960
gtagggcatc	ctttgaacag	tgcttatcct	gcaagtgggt	aataaaaagaa	aaccgctgtc	1020
gctgaaaagg	ctcacaaact	tcccaaagac	actggcctgg	atatacatct	tttctcccat	1080
gttcagttgc	tgcatggtag	aaaacctgtg	aggggtgtctg	aaaccacttt	ttacaagact	1140
gccacagaca	catgaagttc	tgtccaggtt	ttctcattgg	atctccaggc	tgactggatc	1200
cactgaatgg	agaaggctga	gaactgttag	gctggccctg	cacttgtaca	gctgggtgaag	1260

gtggcatagg	agtgttctgc	gggaccacat	tctgtacata	tgttggtgga	tgctgttgc	1320
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gcacagcaac	cattgtttgcg	ctgcagccag	cattgtttggg	gtcactgatt	gtaacaattc	1440
taactcctac	tttattttgga	attcctgcga	ctgtttccct	atcagtatcc	tctgctggcc	1500
tctttacagt	tttgcattct	gctgtgccat	ttgtag			1536

<210> 4336

<211> 3105

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(1501)

<223> similar to gil055162 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4336						
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gacatggcaa	tggagatttg	tgctacggat	gctgtagatg	atatggaaga	aggtcttaaa	180
gtcctaataga	aggcagaccc	tggtagacag	gaatccttgc	aagcagaggt	tatcccagat	240
ccaatggagg	gagagcaaac	ctggcccact	gaggaggagc	tgagcgaggc	aaaggatttc	300
ttgaaggaaa	gttctaaggt	ggtaaagaag	gtccccaaag	gaacatccag	ttaccaagct	360
gaatggattt	tggatggtgg	cagccaaagt	ggtggggaag	gagatgaata	tgaatatgat	420
gatatggaac	atgaggattt	tatggaggag	gaatctcagg	atgagagtag	tgaagaagag	480
gaagaatatg	aaactatgac	tattggggag	tctgtgcatg	atgatctgta	tgataagaaa	540
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atgtttccag	atgaagtgga	cacgccccgt	gatgtggctg	ctcgaattcg	atttcagaaa	660
tacagaggcc	ttaagagctt	ccggacatct	ccatgggatc	ctaaggaaaa	ccttccctcaa	720
gattatgctc	gaatatttca	gtttcagaac	tttactaaca	ctaggaaaag	catctttaaa	780
gagggttgaag	aaaaagaggt	tgaaggagct	gagggttggt	ggtatgtcac	acttcatgtc	840
tctgaagtcc	ccgtctcagt	ggtcgagtgc	ttcaggcaag	gaacaccctt	gattgcattt	900
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ggcaacactg	aacctgtgaa	agccaaggaa	gagctcatat	ttcactgtgg	attcaggcgc	1020
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ttcctgactg	ctgacatggc	cctgggtggcg	acagtctatg	cgccaatcac	ttttccctct	1140
gcatctgtgc	tgcttttcaa	gcaaaaaagc	aatggaatgc	acagcctcat	tgctacaggc	1200
catcttatgt	cagtagatcc	agacagaatg	gtcatcaaga	gagttgttct	gagtgggtcat	1260
cctttcaaaa	tttttactaa	gatggcagta	gtacgttaca	tgttcttcaa	cagagaggat	1320
gtgctgtggt	ttaaaccagt	ggaactgaga	acgaagtggg	gccggagagg	acatatcaag	1380
gaaccttttag	gtacccatgg	ccacatgaaa	tgcaagctttg	atgggaagct	aaaatctcaa	1440
gacacagtac	tgatgaacct	gtataaaacga	gtcttcccca	aatggactta	tgatccatat	1500
gtaccagaac	cagtaccctg	gctgaaaagt	gagatttctt	caacagtgcc	tcaagggggc	1560
atggagtaat	ggattcaaag	agattctgtc	ttaccggtgc	cagtcagtac	tccagggatg	1620
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cccatttttg	aagacttttt	tttagccttg	acaaaatgtc	tcagttaagt	ataaaagttt	1740
ttccactact	tagtccaaaa	aaaactatta	aatcttaatg	aaatagccac	tctccattaa	1800
gaatctgata	actaagagtt	gacaatacta	ggaacaaaaa	tgtcttcagt	atctaaagac	1860
actgaattcc	caccatttcc	ttttctgtaa	attaacaga	aacagactga	taagaagctg	1920

gcctttcagc	ctgcttcacc	caagttatgg	aggagggttaa	gtctacattt	ccaccactga	1980
gcacaataca	aatgttcttt	acttctgggg	aaacagtttg	aaaatgttga	gacagcacag	2040
cagccactcc	aacaccagct	gtaggttcaa	tgagtagttt	catcctctcc	cacaccagct	2100
gggttgacac	ctgttgatat	ggaagggagt	aggaattagt	gaaaggggag	tctagttggt	2160
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ttttacagtc	tggagctgtc	tggggcacca	caatataagc	aggaattcct	tccaatttgg	2940
cagcataggt	gagagcctgg	ccatgggttc	cactgctgtg	agtaacaaca	gctttcggct	3000
tcctttctaa	agcatcagga	accaagcttc	tgacggcatt	gagagcacca	cgaatcttaa	3060
aagatcctgt	tttctggaag	agttcacatt	tgaagaaact	cgtgc		3105

<210> 4337

<211> 1860

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1861)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (7)...(892)

<223> similar to gi3925211 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4337

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gccctgtgga	agtatgtgcg	gccagggggc	tgtgtgctgg	agtgggtacg	caacatcgtg	180
gccaacggcc	tggcctcgga	tggggccacc	tgggcagaca	tcttcaagag	gttcaacagc	240
ggcaggtata	acaaccagtg	gatgatcgtg	gactacaagg	cgttcatccc	gggtggggccc	300
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gagactgtgt	tcaatgccag	tgggctgcag	gccctagtgg	cccagtatgg	ggactggttt	480
tcttatgacg	ggagcccccg	ggcccagatc	ttccggcgga	accagtcact	ggtacaagac	540
atggactcca	tggtcaggct	gatgaggtac	aatgacttcc	tccatgacct	tctgtcactg	600
tgcaaagcct	gcaaccccc	gcccattggg	gagaatgcta	tctccggccg	ctccgacctc	660
aacccggcca	atggctccta	ccccttcag	gcctgcgtc	agcgctccca	tgggggtatc	720

gatgtgaagg	tgaccagcat	gtcactggcc	aggatcctga	gcctgctggc	ggccagcggg	780
cccacgtggg	accaggtgcc	cccgttccag	tggagcacct	cgcccttcag	cggcctgctg	840
cacatgggcc	agccagacct	ctggaagttc	gcgcctgtca	aggtttcatg	ggactgaagt	900
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aggccaccgg	acttctaact	ccagccccctc	ctgggggctt	cgttctctga	tctgggggtct	1020
gagtcattctc	ctcctagagt	gggtcacgaa	cctgatgggg	ctcagaactg	acccccctctc	1080
tcccccgagg	tgggtgggca	ccgtggcgtc	tcttctgccc	tgccctaaat	ctccccactct	1140
ctgtttctgt	ctgtttccta	ctgctgctct	ctcaacctca	ttcccacctc	tggggccccct	1200
tcctcgtgct	tctccttcct	gaggggttgg	gaaggctcctg	gggcagactc	tggggctccc	1260
atggggtgga	aggagcctgt	tccagcacc	ttctcccagc	tgattccca	cgggtggccc	1320
tggagctggg	gagctttgtc	tgggcgttgt	cttcggctgg	cattgctcct	cccagctctg	1380
gcccctctgc	tccctcagga	agcagtcccc	tcgtctccct	ttctgggcag	cttccttgag	1440
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tttaaaggggg	ccccaaaaat	aaattcccg	gcccgcgttt	aaacaccgcg	gggaggggaa	1800
aacccggggc	gaaccctaat	aaaaccgctt	gcgaaaaann	nnnnnnnnnn	tntttnttag	1860

<210> 4338

<211> 1389

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(857)

<223> similar to gi4263748 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4338

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cctgtactac	acggagatta	agtggctcag	tcgcgggctc	gtgctaaaga	gattttttcga	180
atccttgga	gaaatcgact	ccttcatgtc	atccagagg	aaaccctgc	ctcaactgag	240
ctccatagat	tggatccgag	acctggcctt	cttggttgac	atgacgatgc	atctgaacgc	300
tttgaacatc	tctctccaag	gacactccca	aatcgtcacg	cagatgtatg	acctgatccg	360
ggcgttctta	gcaaaaactgt	gcctctggga	gactcatttg	acgaggaata	atctggccca	420
ctttcccacc	ctgaaattgg	tttccagaaa	tgaagcgat	ggcctgaact	acattcccaa	480
aatcgcgga	ctcaagaccg	aattccagaa	aaggctgtct	gatttcaaac	tctacgaaag	540
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agtcttctag	tcccaaggga	ttgggagatg	acaaaatgaa	tttttttttt	cttttttgag	960
atggagtctt	gctctgtcgc	ccaggttgga	gtgcagtggc	gtgatctcgg	cttactgcaa	1020
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aggcatgcgc	caccatgccc	ggctaatttt	tgtattagta	gagatgaggt	ttcaccatgt	1140
tgccaggct	ggctccaac	tcctgacctc	aggtgatcca	cctgcctcga	cctcacaag	1200
tgctgggatt	acaggcatga	accactgtgc	ccagctgaca	aaatgagttc	ttaaactttt	1260
tttttttttc	agtttttttt	ccactttgaa	tcagaaatat	aatctgcagt	atcatacttg	1320
tttatattac	attgtatgcc	tcactattca	ttaaaaatca	agaaagtttt	attgtaaaaa	1380
aaaaaaaa						1389

<210> 4339

<211> 1523

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1487)...(555)

<223> similar to gi475934 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4339

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gtcaaacgct	gtgcatgaat	caggttttta	gaaggaaggt	aggagaggaa	aactactcac	180
tagcagaact	gaactgctgt	aaaataggtt	aaattctttg	aaaagtgaag	aatgatagta	240
gcaaaatcat	gaagtgttat	ctgaaccaga	gccgtgatgt	aaccaagtaa	gatggaagtt	300
tccatccaga	cgagttaatt	cccgaacaag	gtcacaggaa	aggtgagacg	ctgccggttc	360
cggcacgcct	gtcttctgga	gtgccagtga	cggggcaaga	aattttgatt	ctttcctttg	420
atactcttgg	gaaagaacac	atttcccaag	cccctggaga	cccacagggt	ttggcactgt	480
ccgtgaggct	gtgctcctga	ggacggacgt	tcaggaggcc	gtggaggagc	agcgctgcag	540
gagcaggggt	tgccagctgt	cgcacactcg	caccggcttg	gggtaggagg	gcagggccag	600
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cagctccatc	ctgagtagag	aggaagtgtc	tttctcgtgc	tgtaattcgc	gctgaagagc	960
ctgtctttgc	tctttttctg	atttcaattc	tttctccagg	cttgagcatt	gctcgtgcag	1020
ctgggagagc	tgcagctgca	gggcgccgat	cctcccgcgc	agctcctgct	gcagcttggtg	1080
gctccgctcc	tcagccccct	gcctcgcccc	ctccgagtgc	tgcaaccttt	cttccatttg	1140
tttcatgctg	gacataaact	ggttggtttt	tccttcaaag	gatgtgatgg	cttcattctt	1200
ctgctgcaaa	ctgctctctg	cattctgagc	tttgtgaaac	atctgtaaat	taatcgcttt	1260
gacttcttcc	agctgctggc	ggagggaac	tagtgtgtcc	tgtctctcgt	gggtgtcctt	1320
ttccagtaac	ttcattgcaa	tttccatttc	ggttttcatt	ccaatttgta	actccagttc	1380
tttttccagt	tccaaccgga	ctttcttctc	ctcttttagc	tgtttccaca	catcactgta	1440
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ttttgttatc	tctacactct	ttt				1523

<210> 4340  
 <211> 1838  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1839)...(1477)  
 <223> similar to gi4960159 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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gaaagcataa actttttaaac caagttcccc tgaatattta caatgtggta taaacattat      180
agaagaccat ggatattaaa ttgcctgggg tgtggctaata cagcaaggcg tattctttat      240
tgcatattta actcacatat gtgggatttt aaatatgaca gactactaaa attcaaatgc      300
atgtatctgc aagctgggca gggagtaaaa tcatgaatga gacaggacgg tcagcccaaa      360
accatgcaat taggttgtgg gtttattatt ttcaaaagtg aaatttctat gttccatttg      420
aaactatggt gcatattcat ttagcattca cattaaaccc acatttgact ctaacgctga      480
ttcaaggaag aaagttcaac attcactcaa tgactaagtc cacaactcaa ctctcaatgt      540
taaggcagca cagctacagt gatagcaacg ctaaccaaaa ggtaatgaac atttagtcac      600
ttgccagccc ttttgttaca acagtgtagt aatttcctta agacaatttg ctaccggata      660
attttctgct gttaaaaggc ttcctctgtg gaaaaacacc acaaatttcc agtgtgaaag      720
taagtccatg gtggtataaa tatatatatg cataattaca caatttacac tgcacacatc      780
gtttacaggg gacaattaac tgagagggtt aattttaaag accatacaaa atacttcagt      840
aaacaaagta tgacaggcag taaagaaaac attcatagac tcctagaaat aatctgaatt      900
cctttcattc tgaagaaata tcatttaagg acacagtatt gaataaatg ttttttgat      960
taaaacaaga attgctattt tacagtttaa gaaactttac atatatacaa aatttacaca     1020
ttgggaatgg taatcaagca aatagggttt tcagtctcat agatctattt tccttcgatc     1080
aaagacttaa attctttcac atttgtgtca ctgcaacag acatagcatg atccaaagct     1140
cgaacacttg caaggagttt tactatctgt tttatgtttt cccttgcat tcttttttcc     1200
acatcagaac acccgatact atttctataa attgtatccg ctaagtgtac aaggatcgg     1260
caaaagtttt ctaactgaga aatagtcctt tctcctttca gattcatgaa ccattgtttg     1320
gggaaacaat tgattacatt ttgggctttt ttgatgctgt catctccata ttctgaattc     1380
tgaaaagcca tgagaatata tcgatttaat aaaccatcta ttgataactc ttgcagagtt     1440
ttatttgaga aaatgccata ccaactgaaga aaattgccta acagcttaac tgaagaccaa     1500
aactgtcggt gaaaaaaca gtaaggccca gaatttttat tttctaagac atttttggga     1560
tataagggca taaatacatc atcatctaaa gttcttctca ttctcaataa aagtgccttt     1620
aggtatacct gtgtattttt attttctgca ttcactactg aaggatatcc attgattaat     1680
tttagtgtaa ttcccacat tcttgaagtc tgtgtgttag aaaaagggtc ccacatattt     1740
tcagctatca ctgttagttt aggaagaatc accttttcca caatggtagg tagtagggca     1800
acatctacat catctttttc ttgctctcgt tcttcaca                                1838

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<210> 4341  
 <211> 1356  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (192)...(756)  
 <223> similar to gi485114 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4341

aggcatgcac	caccatgccc	ggccatttgc	tgtcacttct	gtctccttga	gtctgcctcc	60
tcctgcttca	cctccatgaa	gccagggggc	ttttgcttgc	ttgggtcact	atgactgaat	120
tcttcccacg	tagtctgtgg	tagacatctt	cgtaaactca	gacacctcat	gtcctctttg	180
tcttcacctc	tcaggactat	ggcccccagg	tcaactttcg	gaaacagaag	ctaaagaccg	240
agggcttctg	cggcctcccc	agcttcagcc	gggaggtggg	gcggaggatg	ggcctctacc	300
cggggctgga	gggcttccgg	ccgctcgagc	agtgcacact	ggactactgc	cccagagcgg	360
gctctgccat	tgacccccac	ctggacgacg	cctggctgtg	gggggagcgg	ctggtcagcc	420
tcaacctcct	gtccccacc	gtgctgtcca	tgtgtcgga	ggcgcccg	agcctgctcc	480
tctgctcggc	cccgtcggt	gccccggagg	ccttggtgga	cagcgtgata	gcacccatcc	540
ggtcggtgct	atgccaggag	gtggaggtgg	ccatccccct	acccgcccgc	tccctgctgg	600
tcctcaccgg	ggcggcacgg	caccagtggg	agcatgccat	ccaccgcaga	cacatcgagg	660
cccgcgcgt	ctgcgtcact	ttccgggagc	tgtcggctga	gtttggccct	ggagggaggc	720
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gaaccgcctc	cttggtcca	gacttgactg	atccccggat	tgaaatgagg	agcacagaac	840
agggcctcct	gcaactcacg	gggtttcaag	agaagatggc	tgaccctga	tgctgtgagc	900
agtgtgagcc	ctgcccagga	gcaggttttg	atgggaacgt	acctccaggc	agcccccttc	960
cacctggacc	gtggccacac	ttttttggtt	atttagtttg	tcacagtctt	ggggacatgg	1020
gatcatttga	gcttaaaaaa	tactgggggc	cgggcacagt	ggctcacacc	tgtaatccta	1080
acactttggg	aggctgaggt	gggcggatca	cttgatgcca	ggagttcgag	accagcctgg	1140
ccaacacggt	gaaaaccctg	ctctacaaaa	actacaaaaa	ttagccgggt	gtggtgactc	1200
acagccgtaa	tcccagctac	tcgggaggct	aaagggtggg	aattgcttga	acctgggagg	1260
cggagggttg	agtgagccaa	gatcacgcca	ctgcactcca	gcctcgggtg	cagagcaaga	1320
ctgttttgaa	aaaaaaaaaa	aatgggaaca	ttttta			1356

<210> 4342  
 <211> 2008  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2009)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1988)...(793)  
 <223> similar to gi3924848 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4342

agcctgccag	gccccacga	agcaaaggct	gtcaacgatg	acatcagacc	ctgcagtcgg	60
agaaggggaa	ggctgggtga	tgcagctccc	cgagccnact	gtcaggggga	cgggtcactg	120
agaccacatg	gggaacaaaa	ggctccagga	gggctggaat	cccagaaccc	cagggctggc	180
actgccctcc	tccaggcaag	aaggagcaga	gataaataac	catgtccacg	ccaccatcgg	240
ggagcgggag	gggacgtcct	aggacagaca	cggagcaggg	agcaggtcag	gcctgcagtc	300
caggccccctt	gcggcaggag	gcggtgggcg	gagcccgcgc	gcgatcgggc	agggggtccc	360
ggcgtctcct	ctttaatcgt	gcatgtgtgc	ttaccccagt	ccgagggcgg	ccggctccca	420
ggactggggg	gctcgtccgc	aagtcgtag	cctggccccg	ggacgtctcc	caagctctcc	480
tccaaggaag	ttcaaagaca	aggaaaagaa	gaaacaatcc	ccccccagtc	tccgagagca	540
acagaaaaaa	gctctgtaat	tcagtgttcc	aaccaccgcc	ggggaggagg	aggggcccctg	600
tccctgcagg	gccgccggg	ggggggccag	tgtccactca	ctcgtgctcg	gccccaggga	660
ctgtggagcg	gcgggggctc	cggctgtggg	ggtggctgtg	tcactgtgtc	ttggccttca	720
cgagcagcct	ctggacggtc	ttgtagagga	ggctgaagtg	ctgagcctgg	gcactgctca	780
cctggacagc	cacgtaggcc	atgccagggt	aggcagcaat	gccaacagcc	aggagcaggt	840
caaagacggc	cggcttgact	ctgtacgc	tcactacttg	cttcagctgg	tcgtagaaga	900
caaactctgg	gtcccgttg	tcagccttga	cgtgggtgtg	cttcacgtcc	ttcaggtagc	960
ggctcaggtg	gtgctccagc	gtgctgagga	aggtgtgtgc	cttgtccacc	agctgcgcgg	1020
cccgcggctg	gttggtgagc	cagtcocatca	ccgagtcacg	ctgctcctgc	tggatctgca	1080
tctgtctgt	gaacaccggc	atgtctgggg	gtgtcccctt	ctctgtcagg	ttgtagatga	1140
ctcgagtcag	ggcctctgca	atgacccctg	tgttacgggt	cagggctcta	gaatccaccc	1200
gggaccgcac	gtccatgatg	ctgctgcgct	ggcgcgcacg	gtggctctcc	aggtgggaca	1260
gcgtgaaggc	gggcagtcgg	cggatggcga	agcgcctcgtg	ctcccaggcc	agcacgtcct	1320
ccgccaggtt	gatecgcttg	tgcaccatgg	agaaccgtac	ctcaggggaa	tgggtgcgcgg	1380
ccaccgtctc	cagctcccgc	aggaaggcgt	gctgcagggt	gccctcccga	ggcggcttgg	1440
acacgtgcag	gtgcaggctg	ctgccccggc	ccacggtgtc	caggcacagc	acgaaggcca	1500
cattgtcctg	aagcaggctg	gagtcctgtg	ggtccagggt	gtcttccagc	cagcgttgg	1560
ttccctggta	gttaaacttg	cctcctccag	acgcaaagaa	caggagggtg	taggcggcgt	1620
gcgtgcgctt	gtaggtgtag	agccgggaga	agaggcgtgc	cagctccagc	agcacagaga	1680
cgcgcgtccc	gttgagctcc	gcgccagcg	acagccaggg	ggccactcca	aaggcgtcgt	1740
agtgggccac	gtgcagatg	gtgggaaggt	cctctccgcc	cagccccgtc	agccgccctt	1800
ccacgctggc	aatcagccag	tcactcacgg	ccttgccttg	taccccgctg	gtgaccatct	1860
ggaagccggt	ggcagtggtc	gtgcgcagca	gtacttcagc	agcagaggcg	gagccctggg	1920
aggcgcaggc	agcttgggtc	tgtttgtaga	tagacagcag	ggcttcgtcc	tccacggcaa	1980
agtacacggg	gcggggcggtc	tccatggc				2008

<210> 4343

<211> 1475

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1222)

<223> similar to gi5441611 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4343

ggagatgaaa	aagggttactg	aagggtgttgt	cgatgtcatc	gtctacccaa	gcgctgcaga	60
taaaacaaaa	aaccgaggct	ttgccttcgt	ggagtatgag	agtcacgcag	cagctgccat	120
ggcaggagg	aaactgctac	caggaagaat	tcagttatgg	ggacatggta	ttgcagtaga	180

ctgggcagag	ccagaagtag	aagttgatga	agatacaatg	tcttcagtga	aaatcctata	240
tgtaagaaat	cttatgctgt	ctacctctga	agagatgatt	gaaaaggaat	tcaa'caatat	300
caaaccaggt	gctgtggaga	gggtgaagaa	aattcgagac	tatgcttttg	tgcacttcag	360
taaccgagaa	gatgcagttg	aggctatgaa	agctttaaat	ggcaaggtgc	tggatgggtc	420
ccccattgaa	gtcaccctag	caaaaccagt	ggacaaggac	agttatgtta	ggtata'ccccg	480
aggcacaggt	ggaaggggca	ccatgctgca	aggagagtat	acctactctt	tgggccaa'agt	540
ttatgatccc	accacaacct	accttggagc	tcctgtcttc	tatgcccccc	agacctatgc	600
agcaattccc	agtcttcatt	tcccagccac	caaaggacat	ctcagcaaca	gagccattat	660
ccgagccctt	tctgttagag	aaatttacat	gaatgtacct	gtaggggctg	cgggagtgag	720
aggactgggc	ggc'cgtggct	atttggcata	cacaggcctg	ggtcgaggat	accaggtcaa	780
aggagacaaa	agagaagaca	aactctatga	cattttacct	gggatggagc	tcaccccaat	840
gaatcctgtc	acattaaaa'c	cccaaggaat	taaactcgct	ccccagatat	tagaagagat	900
ttgtcagaaa	aataactggg	gacagccagt	gtaccagctg	cactctgcta	ttggacaaga	960
ccaaagacag	ctattcttgt	acaaaataac	tattcctgct	ctagccagcc	agaatcctgc	1020
aatccaccct	ttcacacctc	caaagctgag	tgcc'ctttgtg	gatgaagcaa	agacgtatgc	1080
agccgaatac	accctgcaga	ccctgggcat	ccccactgat	ggaggcgatg	gcaccatggc	1140
tactgctgct	gctgctgcta	ctgctttccc	aggatatgct	gtcccta'atg	caactgcacc	1200
cgtgtctgca	gccagctca	agcaagcggc	aacccttgga	caagacttag	cagcatatac	1260
aacctatgag	gtctacccaa	cttttgcagt	gactgcccg	ggggatggat	atggcacctt	1320
ctgaagatgc	ttttttaa'at	ttaagaataa	gacacacaaa	actctattaa	aaaaaaaaaaa	1380
aagggggggc	cg'ttttaaag	gatccttggg	ggggcccaag	tttacgcggg	catgcaacgt	1440
aatag'ttttt	tccttatagg	gaggcgtatt	ataac			1475

<210> 4344

<211> 1092

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (17)...(221)

<223> similar to gil710382 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4344

aatagaaaaat	cgatcgccct	cgg'taccggc	ccggaattcc	cgggggggtga	tatccatgga	60
ccgggattat	cactttgagt	gctaccactg	tgaggactgc	cggatgcagc	tgagtgatga	120
ggaaggctgc	tgtgttttcc	ctctggatgg	gcacttgctc	tgccatggtt	gccacatgca	180
gcggctcaat	gcccgacaac	ccctgccaa	ctatatctga	gctgcaatca	ctgctgctgc	240
tgtcaccctg	cagacaaact	gctgtggcca	gtgggcccct	ctgaggccag	ccaaggcaaa	300
gaatgcactc	tg'caggcctg	gcagaagagt	cctctgggga	ggaccccaag	ggccggagac	360
ccaaagatca	tgatattcca	aatggattgt	ggaagagaaa	ccttatattt	accaggg'tgg	420
gggcgactgg	ccttttttccc	atgtgtgcag	tctgagctta	ggcacacaca	ggagggttcc	480
aggactttct	gaacatctga	ttctgtatct	tcagtatata	tattttg'ttt	gttttagaga	540
tgggatctca	ccatgttgga	caggctgg'tc	tccaactcct	gacctcaggt	gatccacca	600
ccttggcctc	ccaaagt'gct	gggattatag	gcgtaagcac	ttgtgtctg	cctagtgtat	660
gattatgcat	gagtcacgca	atgttctggt	cctggattcc	aggagtagag	gacctagctt	720
taaatcaatt	ag'tttcagct	aagctgacta	gaaccgggtc	aaagtgtaat	tctccctcca	780
gctcccccaa	accccagagt	tttgggg'ttg	tggttgatgc	agtgtgggat	gtccctgaga	840
ggtagcaagt	ctagggtgg't	gagttcctgc	taggcaacca	aattttaagct	cctcactttt	900

tgtgacacat	ggtgtcagat	atgggggtccc	gcacctatat	ctggatgaag	aggtagaaac	960
tctggacctc	attaatgagt	tattttcttgg	ccttcttcta	aggactagga	gagctcctta	1020
tctgtctgag	aatggggacc	agctctgagt	gggggttgetg	cctgtattcc	ctgttttctca	1080
ggaacttaca	tg					1092

<210> 4345

<211> 2009

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1351)

<223> similar to gi790585 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4345

tgtcagaaca	ccatatgate	ttgataatat	ttatttagaa	gaggtggaca	gtgtagtggc	60
tgctgagtat	gagctggaat	acctgttact	ggaaggtcat	tgctacgaca	tcaccacagg	120
ccagcctcca	cggggactac	agtttacctt	aggaacttca	gccaaaccgg	tcattgtgga	180
caccattggt	atggccaatc	tgggctactt	tcagctgaaa	gccaaaccag	gagcttggat	240
cctcagactt	aggaaggac	gctctgaaga	tatttataga	atttacagcc	acgatggcac	300
cgattctccc	cctgatgetg	atgaggtggt	tatcgctctc	aacaacttca	aaagcaaat	360
tattaaagtg	aagggttcaga	agaaggcaga	tatggtgaac	gaagacttgc	tgagtgatgg	420
aacgagtga	aatgaatctg	gattttggga	ttccttcaaa	tggggcttta	caggacagaa	480
gactgaggaa	gtgaagcaag	ataaagatga	cataattaat	atthttctccg	ttgcatctgg	540
tcattctctac	gaaagatttc	ttcgcataat	gatgctatcc	gtgctgaaga	ataccaagac	600
tcctgtgaaa	ttctggttct	tgaagaatta	cttgctcccc	acatttaagg	agtttatacc	660
ttacatggca	aatgaataca	atttccagta	tgagcttggt	cagtacaaat	ggccccgggtg	720
gcttcatcaa	caaactgaaa	aacagcgtat	catctggggg	tacaagatcc	tcttctctgga	780
tgtacttttc	ccactagtgt	ttgacaagtt	cctgtttgtg	gatgctgac	agattgtacg	840
aacagatctg	aaagagttaa	gagatttcaa	tttgatgggt	gtccttatg	gttacactcc	900
tttctgtgac	agccgaagag	aaatggacgg	ctacaggttc	tggaaatcag	ggtactgggc	960
cagtcattta	gccgggcgaa	agtatcatat	cagtgcacta	tatgttgtgg	atctgaagaa	1020
gtttaggaaa	atagctgctg	gtgacagact	caggggacag	taccaaggtc	tgagttagga	1080
ccctaacagc	ctttcaaatc	ttgatcaaga	tctgcccaat	aaatgatctc	atcagggtgcc	1140
aattaaatcc	ctccctcaag	aatggctttg	gtgtgaaacg	tgggtgtgatg	acgcctctaa	1200
gaaaagggca	aaaaccattg	atttgtgtaa	taatccgatg	accaaagagc	cgaacttggga	1260
agcagctgtg	cggattgtcc	cggagtggca	ggactacgac	caagagatca	aacagctaca	1320
gatccgcttt	cagaaggaga	aagaaacggg	agcactgtgc	caaagagaag	cccaaaaaaa	1380
cccaagccga	aaaggtcctc	agaaacgtga	agaattatga	tctctggaga	aggacaggaa	1440
atcaccccat	ttgaaaaaca	gtttttataa	taaatgctag	ttttttctga	tctgtctata	1500
caactgtctg	taagccggct	gggcaggagt	gccacacctt	ttgattctga	gcatttgatt	1560
ctgactttctg	tactctgggtg	gccactggat	ctttgggatt	aaagctctgt	tggatttgta	1620
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gaggggtggaa	tggcagcagc	aactggaaga	aaatgagttt	tttggtgccc	acacccaaga	1740
gcacacacat	gctgcactgt	ctcggaagac	agggccagct	agagccacca	tggtcttctc	1800
tacctcagtt	tacctgcggc	ctgcgtgca	ctgcagatgc	ccacctgcc	ctgggtctgg	1860
ccggcggaag	ctctgtccaa	ggtccacaca	cctccaggtt	tacgccaaca	tccttgtgcc	1920
ctccccacct	tctcttccaa	cgcattaggt	gcattgttta	attgaaatcc	aaccaacaat	1980

&lt;210&gt; 4346

&lt;211&gt; 1699

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (40)...(1376)

<223> similar to gi3043574 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

&lt;400&gt; 4346

ctgtcaaata	gttgtttaga	aagtgatttt	acatctggtg	gagtttgtca	ttcggatccc	60
aagatgacaa	gtaacatgct	cgcctttctg	ggggaaaatg	cagaggtcaa	agagatgatg	120
actacatgga	ctctccagaa	aggaatcccc	ctgctggtgg	ttaaacaaga	cgggtgttca	180
ctccgactgc	aacaggagcg	cttcctccag	ggggttttcc	aggaagaccc	tgaatggagg	240
gccctgcagg	agaggtacct	gtggcatatc	ccattgacct	actccacgag	ttcttcta	300
gtgatccaca	gacacattct	aaaatcaaag	acagatactc	tggatctacc	tgaaaagacc	360
agttgggtga	aatttaattg	ggactcaa	ggttactaca	tcgttacta	tgagggtcat	420
ggatgggacc	aactcattac	acagctga	cagaaccaca	cacttctcag	acctaaggac	480
agagtaggtc	tgattcatga	tgtgtttcag	ctagtgggtg	cagggagact	gaccctagac	540
aaagctcttg	acatgactta	ctacctccaa	catgaaacaa	gcagccccgc	acttctcgaa	600
ggctctgagtt	acttggaa	gttttaccac	atgatggaca	gaaggaa	ttcagatata	660
tctgaaaaacc	tcaagcg	ccttcttcag	tatttttaagc	cagtgattga	caggcaaagc	720
tggagtga	agggtcag	ctgggacagg	atgctccgct	cggctctctt	gaagctggcc	780
tgtgacctga	accatgctcc	ttgcatccag	aaagctgctg	aactcttctc	ccagtggatg	840
gaatccagtg	gaaaattaaa	tataccaaca	gatgttttaa	agattgtgta	ttctgtgggt	900
gctcagacaa	cagcaggatg	gaattacctt	ttagagcaat	atgaactgtc	aatgtcaagt	960
gctgaacaaa	acaaaattct	gtatgctttg	tcaacgagca	agcatcagga	aaagttactg	1020
aagttaattg	aactaggaat	ggaaggaaag	gttatcaaga	cacagaactt	ggcagctctc	1080
cttcatgcga	ttgccagacg	tccaaagggg	cagcaactag	catgggattt	tgtaagagaa	1140
aattggaccc	atcttctgaa	aaaatttgac	ttgggctcat	atgacataag	gatgatcatc	1200
tctggcacaa	cagctcactt	ttcttccaag	gataagttgc	aagaggtgaa	actatTTTTT	1260
gaatctcttg	aggctcaagg	atcacatctg	gatatttttc	aaactgttct	ggaaacgata	1320
acaaaaaata	taaaatggct	ggagaagaat	cttccgactc	tgaggacttg	gctaattggt	1380
aatacttaaa	tggatcaatag	aaaaagtagg	ctgggcgcgg	tggctcacgc	ctgtaatccc	1440
agcacttttg	gaggctgaga	agggcgatc	acgaggtcag	gagatggaga	ccatcctggc	1500
taacacggtg	agaccccgtc	tccgctaaaa	atacaaaaaa	ttagccgggc	atggtggcag	1560
gtgcctgtag	tcccagctac	tcggcaggct	gcagcaggaa	aatggcataa	acccgggagg	1620
tggagcttgc	agtgaaccga	gattgcacca	ctgcattcca	gcctgggtga	ctgagcgaga	1680
ctctgtctca	aaaaaaaaa					1699

&lt;210&gt; 4347

&lt;211&gt; 408

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(409)  
 <223> similar to gi5802788 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4347

tgacagatttt	tatgctggtc	aagagaaaga	ttaacatact	ttctggaatc	agaacctttc	60
ttgtatgaaa	tcttttaggt	tcttattgga	aaagacatca	caaataagct	ctactcattg	120
aatgatccca	ccttaaataa	taaaaaagcc	aaaaagctgg	aacatcagct	cagcctctgc	180
acacagatct	ccatgttgga	aatgaggaac	agtatagcca	gctccagtga	cagtgcagac	240
ggcttgacac	agtttcttcg	gggtacctcc	agcatgtcct	ctcttcatgt	gtcatcccca	300
caccagcgag	cctctgccaa	gatgaaaccg	atagaagaag	gagcagaaga	tgatgatgac	360
gtttttgaac	cggcatctcc	aaatacattg	aaagtccatc	agctgcct		408

<210> 4348  
 <211> 1232  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (783)...(352)  
 <223> similar to gi2301185 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4348

taatgaatta	acataaatca	taaagattct	atattttaatt	ataaaaacat	aaaattatca	60
catcaattta	attcttataa	gtttatacat	actgcataat	gactttgaaa	acagtataac	120
tcaaaaataat	agaaaacaaa	attgggtgca	atgaagtact	actgaatttc	aggtatttct	180
gtgacaacac	aaattttaaaa	tttaataaaa	tattaccttt	tcttagcaaa	aagggttttt	240
aagccagatt	atccttttcat	gttttaaatg	aagcttcttc	taaaagaagt	cctttttatc	300
acagttgcaa	atttcttttt	aacacataca	atgtatacta	catgctggaa	tcaaacacct	360
gaaggagctg	gaatcttatg	aatacagcca	gggcaacagt	gtagagaatc	atgaacaaaa	420
acatcacagt	ccacacagaa	aacatttttg	cacacagcac	aaacataaac	atgttggtct	480
ttcaattccc	cctgacatcc	ataacaaaaa	ctttctccat	tatattcttc	taggggaatt	540
tcttgaaaag	catccaaagg	aaacaaatga	tggttaagacc	gtgccaaagt	gggagcagac	600
accaaagtaa	gaccacagat	tttactacta	acaggtagct	cacagtactt	tgcccgcacac	660
tgtgggcaga	aatagcctcc	taatgtaagc	cctggctcag	tattgccatc	caaatgcgcc	720
atgctgaaag	aggggttttg	atcctgggtc	gataaagaag	caatgggtgtg	ctgaggaaat	780
ccttcataga	agaaaatgta	ttactttctt	tttccaagca	aacagcagaa	ttctaggact	840
aagaacctaa	aaatgttctt	ctcaaaaagc	caatgaagtt	gtacaaaata	tcactttact	900
gcctttcaga	taagcttatt	atagcatgat	gaaactgact	aattccaagc	tacaagaaaa	960
agtagaggaa	acgggggaaa	gacctgtcta	tatatgacct	cagattttga	agttcaaaaa	1020



aaaaattttc	tttttttttt	ttcttgagat	ggagtcttgt	tctgtcacc	aggctggggt	1080
gcagtggcat	gatctcggt	cactgcatcc	tccactgcct	gggttcaagc	gattctccca	1140
cctcaccttc	ccatgtagct	gggattacag	gcattctgcca	ccatgcccag	ctatatattt	1200
tctaacttaa	tgattaacac	tactttttta	ag			1232

<210> 4349

<211> 2617

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (7)...(767)

<223> similar to gi4432821 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4349

ctgggagcac	gctgctggtc	actctatggc	cgctgctacg	tccgccactt	caacgagctg	60
gagcacgagc	tgcagtcccg	cctcaaccgt	ggctacaagc	ccgcctccaa	gtacatgaat	120
tgtctcttgt	cacctctttt	gacactgctg	gccaagaatg	gagccttctt	cgctggctcc	180
atcctggctg	tgcttattgc	cctcaccatt	tatgacgaag	atgtgttggc	tgtggaacat	240
gtgctgacca	ccgtcacact	cctgggggtc	accgtgaccg	tgtgcaggtc	ctttatcccg	300
gaaccagcaca	tggtgtttctg	ccctgagcag	ctgctccgcg	tgatcctcgc	tcacatccac	360
tacatgcctg	accactggca	gggtaatgcc	catcgctcgc	agaccgggga	cgagtttgcc	420
cagctcttcc	agtacaaggc	agtgttcatt	ttggaagagt	tgttgagccc	cattgtcaca	480
cccccatcc	tcattcttctg	cctgcgcccc	cgggccctgg	agattataga	cttcttccga	540
aacttcaccg	tggaggtcgt	tggtgtggga	gatacctgct	cctttgctca	gatggatggt	600
cgccagcatg	gtcatcccca	gtggctatct	gctgggcaga	cagaggcctc	agtgtaccag	660
caagctgagg	atggaaagac	agagttgtca	ctcatgcact	ttgccatcac	caaccctggc	720
tggcagccac	cacgtgagag	cacagccttc	ctaggcttcc	tcaaggagca	ggttcagcgg	780
gatggagcag	ctgctagcct	cgccccaggg	ggtctgctcc	ctgaaaatgc	cctctttacg	840
tctatccagt	ccttacaatc	tgagtctgag	cccctgagcc	ttatcgcaaa	tgtggtagct	900
ggctcatcct	gccggggccc	tccactgccc	agagacctgc	agggctccag	gcacagggct	960
gaagtcgcct	ctgccttgcg	ctccttctcc	ccgctgcaac	ccgggcaggc	gcccacaggc	1020
cgggctcaca	gcaccatgac	aggctctggg	gtggatgcca	ggacagccag	ctccgggagc	1080
agcgtgtggg	aaggacagct	gcagagcctg	gtgctgtcag	aatatgcata	cacagagatg	1140
agcctgcatg	ccctctatat	gcaccagctc	cacaagcagc	aggcccaggc	tgaacctgag	1200
cggcatgtat	ggcaccccg	ggagagtgat	gagagtggag	aaagcgcccc	tgatgaaggg	1260
ggagagggcg	cccgggcccc	ccagtctatc	cctcgctctg	ctagctatcc	ctgtgcagca	1320
ccccggcctg	gagctcctga	gaccaccgcc	ctgcatgggg	gcttccagag	gcgctacggg	1380
ggcatcacag	atcctggcac	agtgccagg	gttccctctc	atttctctcg	gctgcctctt	1440
ggaggggtggg	cagaagatgg	gcagtcggca	tcaaggcacc	ctgagcccgt	gcccgaagag	1500
ggctcggagg	atgagctacc	ccctcagggt	cacaaggat	agacaaggct	gagcagggtt	1560
cctgtggccc	aggatggagg	ccaccgctgc	cctgccatcc	cgtctgcctg	ccatgggacg	1620
gctcctctga	gtgttccctg	gccccacgtg	tgtggtgttt	gtgtgtctgt	gcctggccaa	1680
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gagggcacac	gggactctag	cctcatcccc	agaacccccct	tggtctagag	tgtggtgcta	1800
gaaactggtc	cccagcccag	ccccagtact	gccaccttta	cacctacccc	tgcaagtccc	1860
cagagggctg	cccacgatag	aagctgccaa	gcaggagaaa	cctgtgccaa	ctgtggagtg	1920
gggaggttgg	gcctggaccc	tcaaccctcg	caaccttccc	tagccccctc	aatagatgag	1980

caggtcaggc	tgtggccctt	acctcaccgc	cagttctcgc	ccagtgcctgc	agccggctca	2040
cctctctccg	cttcttgac	atcactggcc	tgtgtgtgct	gcttgctcct	gttctgttcg	2100
cttgctcccc	ttccgttcgg	cttttgcttt	gcgttagggg	gaagacccta	gcgtccagct	2160
cccctcaacg	ctatatTTTT	acactaaaaa	agaaggtttc	taaattgtag	gagcaggatg	2220
gaaatacttt	gctgcccttg	ccatctttta	ggatgggccc	ccaggagact	gaggtcttcc	2280
tgggccctca	ttgctgctta	tcgtaccccc	catcacctgc	acatgggaca	gaccgggctg	2340
gagggtgacc	ttggctgtgt	acgtcccagc	aaaagagctc	tggcccgcat	ctcgctgtgc	2400
cctgaagggg	gatgaagggc	gatgcctcgc	ccgaggcttt	gggctgctgc	actgcatgct	2460
gggactgctc	ctactctctg	tcccaccctt	caccagctgc	tggtccggct	ttgggagagt	2520
ggtgaattgc	gctgcccga	ctcggagcgg	agcagggtag	ggaccgtgta	cagcttgata	2580
acccttaata	aaaaggaggt	ttgaccgaaa	aaaaaaa			2617

<210> 4350

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(251)

<223> similar to gi387048 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4350

tatatatgta	atgaactaag	tcagcctgta	acgttccttg	tcagagcagc	attagtcagg	60
cagtcttggt	ctcagttact	ttggctgtta	aagaaatcaa	acaggtacag	cctgactatt	120
tggactggaa	aaaatgataa	ctattccgtt	gaagatttac	tttacattag	agaccatttt	180
gacaaaaaac	aagttttcta	tgacatcttg	gaaccacaaa	accatgaatt	taaacaagcc	240
attggaatca	aagttaatct	ctaagaagaa	gattctcaat	tatttcctgt	gttttggttt	300
cataatcctt	ctctccattg	gtctgaatta	attaccatat	aaattatggt	tattgattga	360
cgttccaagt	catctaata	aa				382

<210> 4351

<211> 1790

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (145)...(1362)

<223> similar to gil754515 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4351
tgatccgatac ttgcactccg tcaactgtggc tgactgcatt gtcacattca cttggcggag 60
gccaaatttcc tacagggtgct ttcaggatca ggtcactgcg atgggtctcta aacaccattc 120
tgctttctct gctctcttgt ctttaggagc cgggtgtggg ctgagccctg cctgattgat 180
gctgccaagg aggagtacaa cggggtgata gaagaatttt tggcaacagg agagaagctt 240
tttggacctt atgtttgggg aaggatgac ttgctcttca tgccaccgtc ctttccattt 300
ggaggaatgg agaacccttg tctgacctt gtcacccctt gcctgctagc tggggaccgc 360
tccttggcag atgtcatcat ccatgagatc tcccacagtt ggtttgggaa cctggtcacc 420
aacgccaact ggggtgaatt ctggctcaat gaaggtttca ccatgtacgc ccagaggagg 480
atctccacca tcctctttgg cgctgcgtac acctgcttgg aggtgcaac ggggcgggct 540
ctgtgcgtc aacacatgga catcactgga gaggaaaacc cactcaacaa gctccgcgtg 600
aagattgaac caggcgttga cccggacgac acctataatg agaccccta cgagaaaggt 660
ttctgctttg tctcatacct ggcccacttg gtgggtgatc aggatcagtt tgacagtttt 720
ctcaaggcct atgtgcatga attcaaattc cgaagcatct tagccgatga ctttctggac 780
ttctacttgg aatatttccc tgagcttaag aaaaagagag tggatatcat tccaggtttt 840
gagtttgatc gatggctgaa tacccccggc tggccccctg acctccctga tctctcccct 900
ggggactcac tcatgaagcc tgctgaagag ctagcccaac tgtgggcagc cgaggagctg 960
gacatgaagg ccattgaagc cgtggccatc tctccctgga agacctacca gctggctctac 1020
ttcctggata agatcctcca gaaatcccct ctcccctctg ggaatgtgaa aaaacttgga 1080
gacacatacc caagtatctc aaatgcccgg aatgcagagc tccggctgcg atggggccaa 1140
atcgtcctta agaacgacca ccaggaagat ttctggaaag tgaaggagtt cctgcataac 1200
caggggaagc agaagtatac acttccgctg taccacgcaa tgatgggtgg cagtgaagtg 1260
gccagaccc tcgccaagga gacttttgca tccaccgctt cccagctcca cagcaatgtt 1320
gtcaactatg tccagcagat cgtggcacc aagggcagtt agaggctcgt gtgcatggc 1380
cctgcctctt caggctctcc aggccttcag aataattgtt tgttcccaa ttctgttcc 1440
ctgatcaact tctggagtt tatatcccct caggataatc tattctctag cttaggtatc 1500
tgtgactctt gggcctctgc tctgggtgga acttacttct ctatagccca ctgagccccg 1560
agacagagaa cctgcccaca gctctccccg ctacaggctg caggcactgc agggcagcgg 1620
gtattctcct cccacaccaa gtctctggga agaagtggag aggactgatg ctcttctttt 1680
ttctctttct gtccttttct ttgctgattt tatgcaaagg gctggcattc tgattgttct 1740
tttttcaggt ttaatcctta ttttaataaa gttttcaagc aaaaaaaaaa 1790

```

<210> 4352

<211> 900

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(901)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (13)...(169)

<223> similar to gi3885834 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4352

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cccacgcgtc cggtgagtgt tgaaggagaa catcatgaaa aagctgtaga actgctgaaa 60

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gccgcacaag	gaaagggttaa	attagtggtgta	cgatacacac	ccaaagtctt	agaagaaatg	120
gagtcgcgct	ttgaaaaaat	gagatcagca	aaacgcaggc	aacagacct	atacatttca	180
aaacttgata	tttcattttg	cgtttttagct	agagaagttt	tccttggtgac	ttactaatgg	240
ctgcaatgcc	aatgattgta	agaaaacaaa	caaattttatc	atgaaattct	ccttggtcatt	300
ttataaatgc	ctatttttaac	atcattttatg	gttccagaga	tgcatacaact	tttttctgac	360
aagaaaaagt	aaaagggtgat	gagggcaatt	ctgtcctact	gttttttacag	gccttttttca	420
aatgcaaatt	ttgtcataaa	gttggttatag	atttttttaa	atgctttttt	aatattaaaa	480
tgtactttta	cattcttaat	cttttttttag	aaaggaaaaag	ttttcttcat	ttagctgctg	540
atttaaaagt	aaagttctcc	aattcttttt	ttttgcttac	tctatttttt	ttaacctgtg	600
aaatttcttt	acagttttcc	aagaaattaa	gcataacagt	ctcatctacg	gcagttcatt	660
acactgtcaa	tggttaacatc	attgctgcat	tttgactttt	gaacacacac	ataatatata	720
taaccagtgg	taaatcatga	ctcagtacag	tgcaagtttt	ttcactttta	cttaaacata	780
atatataatg	gatattcatt	tatactgatt	tatgaaagta	agttttttaa	actgaaaca	840
atcattgcta	aaatacatat	tcttaatat	tgagcattga	ggnnagagga	tgnaattgat	900

<210> 4353

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (12)...(340)

<223> similar to gill36412 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4353

tttttttttt	tgaatttttac	agtatcactt	cattaataaa	acttgtaaag	gacaaaatta	60
gagaacaaga	gagcaaaaca	tcacagggtgc	ccatgaagca	tgtgtaccac	gtgcttcagt	120
gtcaggagga	ggaactcaca	caggtggtgt	ccaccatgtc	cgacagctgg	aagtttgaaac	180
aactggtcag	caatggctct	tcttacaact	atgggaatga	agatcaggcc	aagttcctct	240
atgtggtgtc	caagaaactt	cacaacaccc	catacagtat	ggccagtga	cccagaaaga	300
aggccaagat	tttgcaagaa	caaggttcaa	ggatgtgagg	gacacagtat	tgacagctga	360
aaaaatg						367

<210> 4354

<211> 1293

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1294)

<223> n = a,t,c or g

<220>

<221> misc\_feature  
 <222> (148)...(877)  
 <223> similar to gi3786496 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4354

tgcgcaagcg	ggagttccgg	ctggagaccc	gtgctctggg	ccggcgcctt	caccatggcc	60
tcggcagagc	tggactacac	catcgagatc	ccggatcagc	cctgctggag	ccagaagaac	120
agccccagcc	caggtgggaa	ggaggcagaa	actcggcagc	ctgtggtgat	tctcttgggc	180
tggggtggct	gcaaggacaa	gaaccttgcc	aagtacagtg	ccatctacca	caaaaggggc	240
tgcacgttaa	tccgatacac	agccccgtgg	cacatggtct	tcttctccga	gtcactgggt	300
atcccttcac	ttcgtgtttt	ggcccagaag	ctgctcgagc	tgtcttttga	ttatgagatt	360
gagaaggagc	ccctgctctt	ccatgtcttc	agcaacggtg	gcgtcatgct	gtaccgctac	420
gtgctggagc	tcctgcagac	ccgtcgcttc	tgcgcctgc	gtgtggtggg	caccatcttt	480
gacagcgctc	ctggtgacag	caacctggta	ggggctctgc	gggccctggc	agccatcctg	540
gagcgccggg	ccgccatgct	gcgcctgttg	ctgctggtgg	cctttgccct	ggtggtcgtc	600
ctgttccacg	tcctgcttgc	tcccatcaca	gccctcttcc	acacccactt	ctatgacagg	660
ctacaggacg	cgggctctcg	ctggcccagag	ctctacctct	actcgagggc	tgacgaagta	720
gtcctggcca	gagacataga	acgcatgggtg	gaggcacgcc	tggcacgccg	ggtcctggcg	780
cgttctgtgg	atttctgtgc	atctgcacac	gtcagccacc	tccgtgacta	ccctacttac	840
tacacaagcc	tctgtgtcga	cttcatgcgc	aaactgggtc	cgctgctgaa	ggccattgct	900
ccatctcacc	tctgtctcca	gaaaataaat	gccctgaaac	cctcccccca	naacctgcaa	960
tctgtcgggc	actcttctcg	ttcaactccc	tgtagccctt	tgggactttg	cggctccccta	1020
agtagaaaat	tcctatgggc	ctgtctcctg	ggggcctctg	tctgctggtg	gtctgcttac	1080
cacagaatcc	taaggggcag	gagtgcctgg	gcattgtgtct	gtgggagcct	tgcagtcagt	1140
tgtgtttgga	caagtgaac	agtcaggctg	ctgattcctg	tggcatgcag	gctgtagagg	1200
ttgacaaatg	gaggggggtg	ttgagggtga	gccctagttg	attttttaaa	atttaaactc	1260
tggtaaagac	atttaatatg	aaaaaaaaaa	aaa			1293

<210> 4355  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(355)  
 <223> similar to gi4191360 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4355

gggacaatga	gaaggtgaag	gctcacattc	tgctgacggc	tggaatcatc	ttcatcatca	60
cgggcattgt	ggtgtctatc	cctgtgagct	gggttgccaa	tgccatcatc	agagatttct	120
ataactcaat	agtgaatggt	gccccaaaaa	gtgagcttgg	agaagctctc	tacttaggat	180
ggaccacggc	actggtgctg	attgtttggag	gagctctgtt	ctgctgcgtt	ttttgttgca	240
acgaaaagag	cagtagctac	agatactcga	taccttccca	tcgcacaacc	caaaaaagtt	300
atcacaccgg	aaagaagtca	ccgagcgtct	actccagaag	tcagtatgtg	tagttgtgta	360

tggttttttta	actttactat	aaagccatgc	aaatgacaaa	aattctatatt	acttttctcaa	420
aatggacccc	atataaactt	tgattttactg	ttcttaactg	cctaattctta	attacaggaa	480
ctgtgcatca	gctattttatg	attctataac	c			511

<210> 4356

<211> 1810

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1706)...(484)

<223> similar to gi3169059 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4356

tttttttttt	ttgtgagcaa	caaggctggt	tatttcacct	gggcgcaggt	gggctgagtc	60
cgaaaaggga	gtcagtgaag	ggagataggc	gtgaggccgt	tttataagat	ttgggtaggt	120
aaaggaaaat	tacagtcaaa	ggggggttgt	tctctggcag	acaggagtgg	aggtcacaag	180
gtgctcagta	ggggagcttt	tgagccagga	tgagccagga	gaaggaattt	cacaagatag	240
tgatcatcagt	taaggcagga	acaggccatt	ttcatttctt	ttgtggtgga	atgtcatcag	300
ttaaggcagg	aaccggccat	ctggatgtgt	acgtgcaggt	tacagaggac	atgatggctt	360
agcttgggct	cagaggccct	tggctccagc	aatgctgatg	atgaggtgct	ggggcccccg	420
aggaacaggag	gcctccagga	aggaaccggc	ctcagtcac	gccgtccagg	gactgtggct	480
ctgccctctc	gagctgtagc	acctgatttt	ctatgcaccg	aaactgccaa	ggccagcttg	540
tgttgtacag	aaatggteg	agatcaaacc	tgttgtcctc	agggtcttag	ttctcggcgt	600
ggtacgcggg	tgtgagcgtg	gtcatcttgt	gtctgttcat	ggagtacttg	gagaaaaacc	660
gcttcacttt	gtcagcgacc	tgtctcgggg	tgcagatgtg	tctccacatg	ccgaggagtt	720
tgagaaacat	gctgtagggc	cccatcttgg	ccaccttctt	gagtttccca	tagaccgaga	780
gctccgcata	tgtcatcccc	atatcttctt	cgctcggtctg	ggacacctgt	ccatcagcca	840
agggctccag	ctctgcggtg	gccggcgcca	acaggatgct	ctgcagggca	ggaagctgga	900
agcgctggat	gcagaactgg	acgaaggccc	tgaggctcgt	cttgctgatc	ccgcctatgg	960
ggttgatgtc	cgcaactggg	cagtcgtact	tggtcaggta	gccaggaga	ctctcatcca	1020
cgttggcggg	tcccagcacg	aggagcccac	cgtggacacc	ccgagaccag	aggctcaact	1080
gagcaaacag	ataggcgagg	accatccgta	ttcagagcctg	cacattttgc	agcgccaggt	1140
tttcctctgct	gcttctctcca	tgagctgcaa	acagagggct	cttccccgtc	accaggctga	1200
agatgcccac	gacggccttc	acggctggat	cgatggttag	actgatgtgg	tggttccaa	1260
tctgctgggc	caactctctg	gccgggtg	acgtctcctg	ggaggagttc	ttgctggcca	1320
tgtagcaggt	ggtcagtatg	cgccacaga	ggtctcgggg	atcctggggg	gtgtagctga	1380
tctggttcac	gatggtgcgg	acatcagcca	gcatttcttc	atttccactc	ctcacggcct	1440
cgcagacctg	gcagcacatg	gagtagatga	ggcaggcggt	ggctgcgctg	tccacccgc	1500
cactcaaggg	cagcaaaaac	cctgcctgtt	gacttcgtct	taaaaaatcc	cagagccagc	1560
aggcagggtc	aaggcctatc	tctcctcag	gggtgtggtg	tttccactcg	atgggctcag	1620
agatgggtgc	cagcaagtcc	tcgtggcacg	agagggcaaa	gtccaccttc	actctggggg	1680
aggggctcgc	cctgctggct	tgaatctacg	aggcagaggt	tgtgctgagc	tgggattgcg	1740
ccattgtact	ccagcctatg	gtagttcaca	gcaagggtga	aactccgtct	caaaaaacaa	1800
acaaaaaacc						1810

<210> 4357  
 <211> 1216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1217)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (3)...(808)  
 <223> similar to gi2828262 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4357

gctctgtgta	tcacatcaat	cacgggaacc	ccttcaacat	ggaggtgctg	gtggattcct	60
ggcctgaata	tcagatggtt	attatccggc	ctcaaaagca	ggagatgact	gatgacatgg	120
attcatacac	aaacgtatat	cgtatgttct	ccaaagagcc	tcaaaaatca	gaagaagttt	180
tgaaaaattg	tgagatcgta	aactggaaac	agagactcca	aatccaaggt	cttcaagaaa	240
gtttaggtga	ggggataaga	gtggctacat	tttcaaagtc	agtgaaagta	gagcattcga	300
gagcactcct	cttggttacg	gaagatattc	tgaagctcaa	tgccctccagt	aaaagcaagc	360
ttggaagctg	ggctgagaca	ggccaccag	atgatgaatt	tgaaagtga	actcccaact	420
ttaagtatgc	ccagctggat	gtctcttatt	ctgggctggg	aaatgacaac	tggaagcgag	480
ggaagaatga	gaggagcctg	cattacatca	agcgctgcat	agaagacctg	ccagcagcct	540
gtatgctcgg	cccagagggg	gtcccgggtc	catgggtaac	catggaccct	tcttgtgaag	600
taggaatggc	ctacagcatg	gaaaaatacc	gaaggacagg	caacatggca	cgagtgatgg	660
tgcgatacat	gaaatatctg	cgtcagaaga	atattccatt	ttacatctct	gtgttggaag	720
aaaatgaaga	ctcccgagca	tttgtggggc	agtttggttt	ctttgaggcc	tcctgtgagt	780
ggcaccaatg	gacttgctac	ccacagaatc	tagttccatt	ttagacaatg	aagctgctta	840
gtaatctctg	ccaagccatc	tcttaatatt	aaagcagaca	ccacagaata	gatttcttca	900
cttacaaatg	catattgggc	acttataata	cagcaggaac	tcttctcacc	tgagaccttg	960
atgtttaaag	acacagccat	gctcttgagg	agcttacaat	cctggctgga	ggcaggggag	1020
ggtatattct	ttaaatatgc	ttaagtgtta	tagggaaaga	cgggggtacc	agtacacatg	1080
taactagaaa	gccaggetca	gttcttacct	ctgggaatca	gaactcttta	tgcaacttgg	1140
ttaatagaat	ctactatctg	gaagataaag	aaggattgta	atataannna	ggggnnctga	1200
tgcaagggag	gccccca					1216

<210> 4358  
 <211> 1095  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(799)  
 <223> similar to gi4159888 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4358

cgaaaacatg	agagaactca	cactggagag	aagccatatg	gatgtcatct	atgtgggaaa	60
gccttcagta	aaagttctaa	ccttagacga	catgagatga	ttcacactag	agaaaaagca	120
cagatatgcc	atctatgtgg	gaaagccttc	actcattgct	ctgaccttag	aaaacatgag	180
agaactcact	taggagataa	accatatgga	tgtctcctat	gtgggaaggc	tttcagtaaa	240
tgttcttacc	ttagacaaca	tgaaagaact	cacaatggag	agaaaccata	tgaatgtcat	300
ctatgtggaa	aagccttctc	tcattgttct	caccttagac	aacatgagcg	aagtcacaat	360
ggagagaaac	cacatggatg	tcattctatgt	gggaaagcat	tcactgaatc	ttctgtgctt	420
aaacgacatg	agagaattca	cactggagag	aaaccatatg	agtgccatgt	atgtgggaaa	480
gccttcactg	aatcttctga	cctcagacga	catgagagaa	ctcacactgg	agaaaaacca	540
tatgaatgcc	atctatgagg	aaaagccttc	aatcactctt	ctgtccttag	acgacatgag	600
agaactcaca	ctggagagaa	accatatgaa	tgcaatatat	gtggtaaagc	cttcaataga	660
agttacaact	ttagacttca	tagaagagtt	cacactggag	agaaaccata	tgtatgtcct	720
ctatgtggga	aagccttttag	taaatttttt	aaccttagac	aacatgagag	aactcacact	780
aaaaaagcaa	tgaatatgta	agaatcatca	gctgtagcgt	taacactaaa	tacaccaagg	840
acaacatac	tacaggaata	ttatgtctgt	aatcagtgtg	gaaaagcctt	tatttatatt	900
taccactttg	ctcaacctaa	atgaattcaa	ggtagagaga	atccagatgt	atttaattgtt	960
tatggcacia	acttcagact	ctaggctgac	catatacaac	gtgagagaa	gaaactatag	1020
atcaaaggaa	tgtggaggag	tcttcatcca	cagctctgtt	aaataaatgg	gagaaatccc	1080
atccccgaaa	aaaaa					1095

<210> 4359

<211> 962

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (743)...(823)

<223> similar to gi3851654 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4359

acttatgaaa	gaccattgta	attctagctt	tttctgttgt	gtccatgttc	tttttccttt	60
acaaatctac	cctgatgttt	tgtattgatt	actttgccct	ttgatgtcat	tcatacaata	120
ctttggtgtt	attcattcta	cttttgtggc	tctgcataat	atctgcagtg	cttactttta	180
attaagttgg	cagtttaggta	tcaatggtgg	aaattagggt	tttatgttcc	ataacataaa	240
cattatcata	acattactaa	gacttaattg	tttagtaatt	agattgtcag	tctacctatg	300
taactgtttc	ctagagaaaa	atcaggatag	aagacagata	aaatactagt	tacctaaaaa	360
tttaaataaa	tctattgtta	ggattttctg	gtaacaaatt	acttgggtat	ttatttctgt	420
aagaaaagtt	tggaaggctt	tccacagcat	ttgctgtatt	tcttgaaggc	agaagaaaaa	480
gtaagtacca	tgctaacaat	gtaaatttgt	aaggcccttc	ataaatttgc	acaatgcctt	540
cttacttgct	caagacactt	gtgatgtatt	aattgctctt	attcatattt	acgaatcagg	600
agtataagac	ccaaagaaat	agccaagagc	acagaggctg	gaaactgagc	ttttctgaaa	660
caagaaagct	gtctgaggat	tcttccaatg	ctttagaacc	tggttaattt	attaatttga	720



tgtttttaaa	aatatgttta	tacagatgct	tgcattgggc	aatcaagttg	gcaaacttta	780
tgtttgggat	ttagaagtag	aagatcctca	taaagccaag	taagtattta	gaaatttctg	840
ttcaaaatth	caggcttttt	ctccacactt	gtatgccaat	gtagagaaga	tcattttatat	900
ttgcagtgcc	atccttaagt	cattttttaac	atttactgtt	ttcagagata	aagttatttct	960
tt						962

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<210> 4360
<211> 1952
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(309)
<223> similar to gi4927194 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4360						
cggacgcgtg	gggaagaaac	ctatgcaaat	tttataaagc	acaatgatgg	caaaaatatc	60
ttctatgctg	ctcgtacccc	agccacactg	tttgcggtca	tgtttgctat	gtatataatc	120
tcaggactga	ctggcttcat	tggcctaaac	tctatagctg	tcttggtgta	ccttgctcatg	180
gggttagcac	tgatatttct	ttgtacttgg	gcataatgta	aatactctgg	ggagttcaga	240
gaaattggaa	cagtgattga	tcagattgct	gaaacactat	gggaacaggt	attgaagccc	300
ctgggtgata	atttgatgga	ggaaaacata	aggcagtcctg	taacaaactc	tatcaaagca	360
ggcctgactg	accaggtgtc	tcatcatgcc	agattaaaga	cagactgaca	gttcatctcc	420
tcacggactc	cactctcttt	ttttttcatg	cttgcgtgtac	aatgagaact	caaataaaaa	480
taaaccaaag	tttacaatca	actgtagaag	tagtttagtg	taactggctt	cacagatggc	540
tgccacagag	tgtgaagatt	gtttgttagt	tttaagcatt	cttttaatgg	ctcctaagac	600
atgcagatgg	actgaggagc	attgggtta	catgcacctt	tgtgccatgt	ttactctttt	660
tatttctttt	tacttaatct	aatgttagtg	aatttgtctt	atgtaaaagg	atatttcagg	720
gaaatatttt	cagaaatcta	tttagagtct	ctttaacaca	gtgtcccatt	gaaattttta	780
tttttagaga	atttatgaat	cactgtttca	agaaccagat	tggaaagaca	atgaagcctt	840
tattgagcca	ctacattaaa	agtatatatt	gctttactgc	cttcaatacc	agtattacat	900
aaatgcatgt	atcagaaact	tcacagaaat	tacatggcaa	ctcttgtagc	taagaaagta	960
attctgaggt	gtacatttgt	cttgcctttt	taaattttata	aacttgccct	aaaaggagat	1020
gcatactctg	gaaactgaac	tgtctttttg	cagtttagcc	ttcatgtata	taaaatatgc	1080
cattaatttt	attggggaag	aaattccatc	caaaaatgtt	gcctacagct	atgagttaag	1140
agtgtctgta	cagtgtgtag	cttttatttt	ctaaaatcac	agatagggca	tgtatatgac	1200
ttataaatat	ataaaatacg	ttttgtatta	aaagttttgt	agtttatggc	aaaatctggt	1260
cctgtggtag	gctaaataag	tactgtccct	gtgaaaggaa	tgtttggtgc	tcatgtcagt	1320
gtgtgaatgc	atagacaatt	tgaagttttt	gatatttttg	tgatatttat	cttgagcact	1380
gcaatctcac	ccccccccc	cccaccaagg	gaattcaatg	ggaatgttta	ttgtgacttt	1440
gtcctctggt	gcattttaaa	gttatttcct	gtaattttatt	ttcagttacat	aattaaaaat	1500
ttgttgatata	tataaaatga	aacttggtgat	tcttttttaa	ggaatttttc	aagtatgtat	1560
tccacttcat	aaaccacatt	tgtttatagt	gaaaagagca	tgagcaggaa	acaccccagt	1620
tgagagctct	aaggcattgt	acctcaaaac	taagcttgta	aaaagttact	tttctgtgtc	1680
tgtctctata	agggaaaacc	tatgattagc	ctagttgtag	atggggattg	tttaatttctt	1740
tctctctctt	tttttttttt	tgggggggata	tgaaagggta	acattttttc	aaaacttttg	1800
gggccttttt	tgggaacccc	gataaaggcc	ctagtttttg	tgggtttttt	tttgaaggag	1860
gatttttttt	ttgccccag	ggtggaagg	cggggggggc	atcttggttt	aatggaaccc	1920

cccccttcgg gggttaaaggg aatttcccc cc

1952

<210> 4361  
<211> 928  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (917)...(271)  
<223> similar to gi200407 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4361  
ccaccactcc tgggggggcat ccaccattaa aactcacatt tccctaagag tcagtcacac 60  
actgaaggaa tgccttttgt attcggggccg ttatttggac cctttaagtt tatcctctct 120  
gttataacat agacaagaaa gagggagaaat agatcagggc ccaaattgag ccactgacgc 180  
ccagggttttc tctatttggg gtgcttgaag acagtaccaa tgaaaatgtg caagggagca 240  
gctgaacacc aaagactact tcctaaatca aatgggtgtt ttgatggcat aaaagatgcg 300  
ctttctgacg gaagctcttg ttacatttac tacagtggaa aggtttttct cctgtatgcg 360  
ttctctggtg tgtgaggaaa tgggaacgct gattgaaggc cttgccacac tcaggacatc 420  
gatagggcct gtctcctaag tggattcgct gatgggtaat aaagtgggag ctctgattga 480  
agctcttccc acactctcca cattttagg gtctttctcc ggtgtggatt cgttggtgct 540  
taatgagggc ggagctgtcg gcgaatcctt tcccacagtt ttcgactta aaaggtctct 600  
cacctgtgtg tgttctttgg tgcgtgacca aatgtgagct ctgactgaag cttttgtggc 660  
agtcaggaca actgaaaggc ctctctcctg aatgagtgtc catgtgagct acaaaatgag 720  
aactatctct gaagcccttc ccgcaactcg ggcatttgaa gggccgttct cccgtgtggg 780  
ttcgttggtg cttaatcaaa tccgagctct ggctaaaact ctccccacag tcattacacc 840  
tgtaaggcct caccctgtg tgggtcctct ggtgagtgat gaaatttgag cttcgactga 900  
agcttttgtg acattccagg cccgcctt 928

<210> 4362  
<211> 737  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (6)...(173)  
<223> similar to gi157535 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4362

atggagatag	ttgtgctgtg	tgcattgaat	tgtataaacc	aatgatttg	gtacgcatct	60
taacgtgcaâ	ccatattttc	cataagacat	gtgttgaccc	atggctgtta	gaacacagga	120
cttgcccat	gtgcaaagt	gacatactca	aagctttggg	aattgaggtg	gatgttgaag	180
atggatcagt	gtctttacaa	gtccctgtat	ccaatgaaat	atttaatagt	gcctcctccc	240
atgaagagga	taatcgagc	gagaccgcat	catctggata	tgcttcagta	cagggaaacat	300
atgaaccgcc	tctggaggaa	cacgtgcagt	caacaaatga	aagtctacag	ctggtaaacc	360
atgaagcaaa	ttctgtggca	gtggatgtta	ttcctcatgt	tgacaaccca	acctttgaag	420
aagacgaaac	tcctaataca	gagactgctg	ttcgagaaat	taaatcttaa	aatctgtgta	480
aatagaaaac	ttgaaccatt	agtaataaca	gaactgcaa	tcagggccta	gtttctatta	540
ataaattgga	taaatttaat	aaaataagag	tgatactgaa	agtgtcaga	tgactaatat	600
tatgctatag	ttaaatggct	taaaatattt	aacctgttaa	cttttttcca	caaactcatt	660
ataatatttt	tcataggcaa	gtttcctctc	agtagtgata	accacatttt	tagacaattc	720
aaaactgtcc	ttcaaga					737

<210> 4363

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (665)...(269)

<223> similar to gi1732423 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4363

tttttttttt	ttctataaca	acatctctta	ctattttttac	ttgaaaaaat	gttttgcgta	60
gcagactgtc	atagccttga	acgccggctc	cctttcttcc	tcctctcaag	tggtctctggg	120
gctgttgatt	tcgcagagc	ttgggttggg	gtaggggctc	agcctcacca	gctttcagca	180
gctggtttag	gccagcagt	cctccccacc	tccccaagg	gaggggtggt	ggcaagacct	240
cagcacagtc	tgtggtatca	cagggctcac	tggtagagca	ggtagcgctt	catggcaggg	300
ggcaagggca	gggcagacac	ctggccgagc	cgggtatccc	ccaggttgtg	gcgcacacac	360
aggcggctca	ggtgcagaag	ggagtgtggc	tccgctctcc	tttcgcccag	gtagcggatg	420
cggacctggc	actggcccca	gacagcgctt	actgccgat	agagggctct	gcccttcagt	480
ccgcggaatg	ctggccccag	gtaggtgccc	ccaatagcgt	agcccagagt	tcctctctcc	540
atgtccagaa	ccaccagcag	tctctctggc	acctccagct	gtcacccctg	agttcccgt	600
ggatactggg	gggctccggg	ccccttgctc	tgatggtaca	gcttcccccg	cccgatgtcc	660
cag						663

<210> 4364

<211> 2839

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2238)

<223> similar to gi5262593 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4364

ggtgattgaa	caagaaaagc	ttgaagctca	agattcagga	gaagaggcta	ggaatctttc	60
atttaattgag	ttatatccct	ctggaacact	taagcttcag	tacaattttg	atactattga	120
ccaacagttt	tgtgacttag	ctgataacaa	agacactgct	gaatgtgaca	ttgctgaagt	180
agatggggaa	ctttttgtgg	ctcaaagcaa	ctttaccttg	atattggaag	gtgaagaagg	240
agaagttgag	ccaggtgatt	ttgcatcatc	tgatgtgtta	cctaaagcag	ctaaccacagc	300
aactgaagaa	aaacttgtat	gcagtgggga	aaatgataat	catggacaaa	ttgcaaattt	360
gccatctgcc	gtaactagt	acaaaaagtc	ccaaaaagta	gacactttac	catatgtgcc	420
tgaacctatt	aaagtagcaa	ttgcagaaaa	tttactagat	gtaattaaag	acacaagaag	480
taaagaaatt	acttcagata	caatggaaca	gtccattcat	gaaacaatac	ctttagttag	540
ccaaaacata	atgtgtccca	ctaaattggg	caaactctgca	tttaagactg	ctcaggaaac	600
aagcacaaatg	actatgaatg	tcagccaggt	tgatgacgtg	gtttcctcca	aaactcgtac	660
gagaggtcaa	cgtatccaaa	acgtgaatgt	caaactcagca	caacagggaag	catcagcaga	720
tgttgctact	cctaagatgc	cagggcagtc	agtcagggaag	aaaactagga	aggcaaaaga	780
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aatacctcaa	aattctgtta	cgcctaggag	aggaaggaga	aagaaaagaag	ttaatcagga	900
catactagaa	aacaccagtt	ctgtggaaca	agaattacag	atcactacag	gtagggaatc	960
aaaaagatta	aaatcatctc	agctgttgga	accagcagtt	gaagaaaacta	ctaaaaaaga	1020
agttaagggt	tcatctgtta	caaaaaggac	tcttagaaga	attaaaagat	ctgtagaaaa	1080
tcaggaaagt	gttgaaatta	taaatgatct	aaaagttagt	acggtaacaa	gtcctagcag	1140
aatgatcaga	aaattgagaa	gtactaattt	agatgcttct	gaaaatacag	gaaataagca	1200
agatgataaa	tccagtgaac	agcagctgcg	tattaaacat	gttagaagg	tcagaggag	1260
agaagttagt	ccatcagatg	tgagagaaga	ctccaacctt	gagtcattct	agttgactgt	1320
tcaagcagaa	tttgatatgt	ctgccatacc	tagaaaacgt	ggtagaccaa	gaaaaatcaa	1380
tccatctgaa	gatgtaggat	ctaaggctgt	taagggaagag	agaagccccca	agaagaaaga	1440
agctcccagc	attagaagga	gatctacaag	aaatacccca	gctaaaagt	aaaatgttga	1500
tggttgaaaa	ccagcttttag	gaaaatccat	tttagtgcca	aacgaggaac	tttcgatggg	1560
gatgagctct	aagaaaaaac	ttacaaaaaa	gactgaaagt	caaagccaaa	aacgttcatt	1620
gcactcagta	tcagaagaac	gcacagatga	aatgacacat	aaagaaacaa	atgagcagga	1680
agaaagattg	ctcgccacag	cttccttcac	taaatcatcc	cgcagcagca	ggactcgggc	1740
tagcaaggcc	atcttggtgc	cggacctttc	tgaaccaaac	aatgagcctt	tattttctcc	1800
agcgtcagaa	gttccaagga	aagcaaaaagc	taaaaaaata	gagggttcctg	cacagctgaa	1860
agaattagtt	tcggatttat	cttctcagtt	tgatcatctca	cctcctgctt	taaggagcag	1920
acaaaaaaac	acatccaata	agaacaagct	tgaagatgaa	ctgaaagatg	atgcacaatc	1980
agtagaaact	ctgggaaagc	caaaaagcga	acgaatcagg	acgtcaaaaa	caaaaacaagc	2040
aagcaaaaaac	acagaaaaag	aaagtgtctg	gtcacctcct	cccatagaaa	ttcggctgat	2100
ttcccccttg	gctagcccag	ctgacggagt	caagagcaaa	ccaagaaaaa	ctacagaagt	2160
gacaggaaca	ggtcttgga	ggaacagaaa	gaaactgtct	tcctatccaa	agcaaatatt	2220
acgcagaaaa	atgctgtaat	ttcttgga	gattttaatg	tacacctatt	tgtaaagtca	2280
tcagaatagt	gtggattatt	aaatatctag	tttggaagaa	aataatttat	ataaattatt	2340
gtaaattttt	atgtaaacag	aaggctcttc	ataagtaaag	taactccata	tggagttagt	2400
gtttcagtc	aggcaatttt	tctattttat	attaagactt	catacattta	tatatgtaaa	2460
tattgcttat	tgtaagaaatg	ttaaataaaa	tgtatacttc	acagtcgttt	gtgtcttgga	2520
tttttgaaag	ggaggggata	tctgttttaa	tagttttata	tgctcattgg	tctcattttc	2580
tctataatta	aaatactaga	ccagtcttaa	aatgggggatg	attgaagtat	tgatatttct	2640
ttttacagtt	actattttat	aatttatgca	ctttgattct	gtgattcaga	tttctaataca	2700
gaaaatgtat	ttttttgtt	tttggtgtt	actatgttaa	aattgaatta	tgggcatgtc	2760
attttgccat	ctttgtagtt	tcacaaaatt	tgtgtaattct	acctcaaatg	aataatccaa	2820
gtattggtta	aaaaaaaaa					2839

<210> 4365  
 <211> 1125  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (51)...(396)

<223> similar to gi4038594 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4365

atTTTgcaag	gcagatccag	cgccggTTca	aagacactat	tataaatgcc	aagtatggag	60
ggcacacaga	ggcagtagc	cggtctgtg	gtcagctccc	catcagtgt	cagtcttaca	120
gcggtagccc	ctatctggat	ttgtctctct	tcagttatga	tgacaagtgg	gtatctgtca	180
tggagcggcc	caagacttgt	ggagatcacc	caatcaggtt	ctatgcccg	gactcggggc	240
tgctcaagtt	tgagatccag	gcggggTTat	tgggcccggc	catcaaccac	acagtgcgac	300
gccttgTTgc	cttcaccttt	caccctTTtg	agcctttcgc	tatttctgtg	cagaggacta	360
atgctgagta	tgTTgtcaac	ttccatatgc	gacactgtg	cacgtagggt	cctcaccaga	420
gccagattat	ctggtcttcc	aagactTTgc	cactcactta	tctcagtgg	ctccaaagca	480
aaagctccc	actactagct	ctgTTagttc	cagcctgcta	tacctcagat	gggagagagc	540
cagagagagg	agtgagggtg	gtcaacccta	atggaatttt	taaattgtat	acaatactgc	600
tactgattgt	tataatatcc	tcttgcgTTt	tccctgtggg	aatgcccg	attaattaag	660
tccatttcat	ttttgctTTa	ctttgcattt	gattgctgtg	aagatgaaag	cattagactt	720
ttatccccct	catgtcactt	cttcggcatt	atggtttgca	tctgaaagca	gttaaattct	780
gtttactgat	gagaatgaca	tacatccttt	ccatttagct	cataagcacg	gctatctttt	840
taagagaaaa	ataaagccat	ggtattttca	tacttaaata	tatgtggttg	gatgactgct	900
ttatgttctt	atcatactca	atgctttcaa	gtacttgggt	tccaggaagg	actgtgaaag	960
agatgagagg	ccatggatgc	agcagctgtt	cctgggagaa	ctaagtggga	cagtggagac	1020
agatgaagga	agggcagaaa	aagaaaaata	tactgtggaa	gagcactgga	gttggatcaa	1080
tgggaatgtg	ttgtatgacc	aagagttgaa	gatgtttcaa	ggaga		1125

<210> 4366  
 <211> 1939  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(542)

<223> similar to gi2394453 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4366
cggacgcgtg ggcggacgcg tgggctggtg attaaaaagt gggcaagtca ccatcagata      60
aatgatgcc aatcggttac ttttaagcagc tatagtcctg tattgatggt tttgcactat      120
ttacaaaccc tacctgaacc catccttcca tccctccaaa aaatttacc agagtctttt      180
agtcctgcta tacagctgca ccttgtagat caagctccat gtaatgttcc tccttacctc      240
tcaaagaatg aatcaaacct tggggacctc ttactgggct ttcttaaata ttatgctaca      300
gaatttgact ggaatagtca aatgatttca gttcgtgaag ccaaagccat tccaaggcct      360
gatggtattg aatggagaaa taaatacatc tgtgtagaag aaccttttga tggaacaaat      420
acagccagag cagtgcacga aaagcagaaa tttgatatga tcaaggatca atttttaaag      480
tcatggcaca gattgaaaaa caagagagat ttgaacagta tactacctgt aagagctgct      540
gtcctgaaaa gataactggg cctctatttc ttaattaaat tcttcccagg aaataaagga      600
acaatagttt cattcataat tacattgtgt ttacctccat catagggtgc ttttttcata      660
gttcttgttt tcatgtttta tttttaaaaa gacatataaa gattgcatat tttattatga      720
catttcctaa taaacccctt tgatttaaaa atgtattttt aaaaatgttt acattgatga      780
tgagtaatat tgcagtgtgt ttcaggtgat cagataaaat atattttggg aaattaactg      840
aacaataaaa aagtttttga tataacttca attaatgtta ccacatgcta atcctgaaga      900
gatgtgtaga attttgaaa gggctctaatt catacatgct taaagtataa cctacgttag      960
atagtttgtt gtcaaagtct gttctagtaa agtgaagatt caagtcagtt gttcagttac     1020
ttgaagcaaa acgaaatctt tcatttcagt caaatcactg cagtcatgaa atactgaaca     1080
attgccttaa gtctttgctt gactcactgg gatagactga ggctttgggt gtgtctgtat     1140
tagcatttca ttagtacttc acatgctttt gatgtactct tgagattgct ttaaattttg     1200
tattgaaaca acaatacatt ttgcaactgt gtaatgggag cactaactct tacaacagtt     1260
agtgaatcgt tttaaagaat cagttcagtg tagacatttt gaaaagattg tttcctgtgc     1320
tttacgatag cttagtgcaa tgtgcacttc tgttttactt gccattttcc tgcctgtgtt     1380
tctctgtgac atgaagcaac agaaactgag atcaaagtta agattatata ctggtttagt     1440
tatcagatat ttttctgtgt acaattatag gattgtaatc taaactggaa tttttaggca     1500
gtaagtcacc acaaaatgtt ttagataaga cacaataaaa ttattataaa taaaagctta     1560
atgtttgtaa aaaatctctt ttttagtatt tcttttttca catgaaagaa gtggtggctg     1620
ctaaaaaaaa agctacagtg tttattaagg gtctttttga tttatgtaaa ttttgttaa     1680
ttggtcagtg cctgtaaatt taaatataaa aagtaacctt gaaaacagtt ttaacttttt     1740
caaaagaact atgtccaaca ttttttagac ctgctgtagt acagttttgt acctctaacg     1800
tatttttttt ttgcagacca aatgttaaaa cttttgcttt tctttgactt gtaaaagggt     1860
cacattttca ttttcttcct taagttcaaa tttttgtatg atgtcaaatt caataaaatt     1920
tatatatgga aaaaaaaaaa                                     1939

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<210> 4367

<211> 1468

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(845)

<223> similar to gi3881475 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4367

```

ccccgcgtc cgcggacgcg tgggttctca tctgtatcaa cggaacatt tgttccaaaa      60
caagacttgc cacaggtgaa gagaccacta aaagcatcca ggaccagaca gccatccagg     120
accaaccttc cagttctgtc tgtgaacgag gacctaatgc actgcacagc atttgcaacg     180

```

gcagatgagt	atcatctggg	aaatctgtct	caagatctgg	cctcccacgg	atatgttgaa	240
gtaacaagct	tgcctagaga	tgacagcaaat	atcttggtga	tgggtgtgga	aaattctgca	300
aaagaagggtg	atcctggaac	aatattcttc	ttcaggggaag	gagctgctgt	gttttggaaat	360
gtgaaagaca	aaactatgaa	gcatgtgatg	aaagtcttag	aaaaacatga	aattcagccc	420
tatgaaatcg	cactgggtaca	ctgggaaaat	gaagaactta	actacataaa	aatagaggga	480
cagtcaaaac	ttcacagggg	ggaaatcaag	ttaaattcag	agctggattt	agatgatgcc	540
attctagaga	agtttgcttt	ctccaatgct	ctatgccttt	ctgtaaaact	ggcaatttgg	600
gaagcatcac	tggataaatt	tattgaatct	attcagtcaa	ttcctgaggc	tttaaaagct	660
gggaagaaaag	tgaaactatc	tcatgaagaa	gttatgcaga	aaatcgggtga	actctttgct	720
ctaaggcacc	gtataaaactt	gagttcagac	ttcctgatta	ctcctgattt	ctactgggac	780
agagaaaacc	tggaaaggact	ttacgataaa	acgtgtcaat	tccttagcat	tggccgaaga	840
gttaagggtca	tgaatgaaaa	acttcagcac	tgcatggaaac	taacagatct	aatgcggaat	900
cacctgaatg	agaagagggc	actccgcttg	gagtggtatga	ttgtcatcct	cattaccata	960
gaggtaatgt	ttgagctggg	acgagtattt	ttctgatcaa	gtgataacca	aagtgtcact	1020
gcaagagata	ttcaagttct	acaatcaaaa	attaaatgtt	cggcccggcg	cgggtgcctca	1080
tgctgtaat	cccagcactt	tggaggcca	agaaggggtg	cttgagatga	gatcaggagc	1140
tcaagacaag	cctggccaac	atggtgaaac	cccattctta	ctaaaaatac	caaaatttagc	1200
caggtgtgtt	ggcacacgcc	cgtcatctca	gctactcagg	aggctgaggc	aggagaatct	1260
cttgaacttg	ggaggcggag	gttgacgtga	gctaagatca	caccactgca	ctccagccag	1320
ggcaacagtg	agactcagtc	tcaaaaataa	acaataaaat	aaataaataa	atgttcacta	1380
ctgggtgatc	atttaatagg	tgttttttta	atcaagaaat	tatctttttc	agcccagtat	1440
atcgtgtgaa	aaaaataatg	aagaatct				1468

<210> 4368

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (747)...(319)

<223> similar to gi4240124 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4368

tttttttttt	ttccggggcc	atgtggtcgg	tttctttatt	gagaccacag	acggtagcgc	60
aggtccctgc	tgtccacatg	ccccttgtag	ggacaggagg	cccttcccga	gtccaagtcc	120
gaatgccggg	tccgggccga	gccacggcc	ccgagtacaa	gtccgggttc	cgggtccggg	180
ccaagcccat	ggccccgagt	ccaagtccgg	atgccaggtc	cgggccgagc	ccacggccct	240
actggctact	actgggaggg	gctgcttttg	ctttttgggtg	accagatctt	ggacaagcgg	300
aacttggact	tcttctcttg	gaggcccagc	ttctcaatca	tgtcccgcag	catctgatcc	360
tcctcttggt	cccggagccg	gtcctcgtcc	agcgagtcca	cgatgtcact	gcggctgttc	420
acggtgtctca	cgtactgctc	cagcagctcc	tgctcccggc	gccgtccctg	cagtgcattc	480
agagcctcgg	gcttggccat	gagccggcgc	agctcggcct	cgatgtccag	ctgctgctcc	540
tccagacgct	gggcccgtgga	cttgtagatc	agctctgact	cctgtctcag	cagaagctgc	600
ttctcgtgaa	tgagccagaa	ccagtccccc	atgaggctat	cctcagcgtc	atctccctcg	660
gccgcccgcga	gtcgtcttctc	cagctccacg	ccgaggagct	ccagggcgctc	cagccgcctc	720
tcgatgtcct	gcagctgcct	ctgtat				746

<210> 4369  
 <211> 3507  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3)...(2064)  
 <223> similar to gi452523 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4369

cacgtggctg	cagcggggcc	agagcagcaa	tggcggcggg	cggcggcggt	agctgcgacc	60
ccctggcccc	tgctggggtc	ccttgcgcct	tctccccgca	cagccaggcc	tacttcgctt	120
tggcctctac	cgacggtcac	ttacgagtat	gggagacggc	caacaaccgg	ctgcaccagg	180
agtacgtgcc	ttccgcgcac	ctcagtggta	cctgcacctg	tctggcctgg	gcgccagcgc	240
ggctgcaggc	caaggaaagt	ccccagagga	aaaaaaggaa	atcagaagct	gtaggaatga	300
gtaaccagac	tgacttattg	gctcttggca	cagcagttgg	tagcatttta	ttatacagca	360
cagtaaaagg	agagttacac	agtaaattaa	taagtgggtg	acatgacaac	agagtcaact	420
gcatacagt	gcatcaagac	agtggctggt	tatatagttg	ttcagatgat	aaacatattg	480
tggaatggaa	cgtacagaca	tgcaaagtaa	agtgcaaata	gaaaggggac	aatagcagtg	540
tcagttccct	atgtatcagc	ccagatggaa	agatgttgct	ttcagctggt	cgaacaatca	600
aactatgggt	tttgagagac	aaagaagtct	acaggcattt	cacaggacat	gcaacgccag	660
tttcgtcact	gatgttcact	accatcagac	ctcctaata	gagccagccc	tttgatggaa	720
ttacaggtct	ttatttctta	tctggagcag	tacatgaccg	gttacttaac	gtctggcagg	780
tccgatcaga	aaacaaagaa	aagagtgcag	tgatgtcatt	tacagttacc	gatgaacctg	840
tctatattga	cttaactttg	tcagaaaaca	aagaagagcc	tgtcaagttg	gctgttggtt	900
gcagagatgg	tcaagtccat	ctttttgaac	acatattaaa	tgggtactgc	aaaaagcctt	960
tgacttcaaa	ctgcacaatt	cagatagcaa	cacctgggaa	aggcaagaag	tcaacaccaa	1020
aacccatccc	tattctagct	gctgggtttt	gctcagacaa	aatgtcattg	ttgcttgat	1080
atggcagttg	gtttcagcct	actattgagc	gagtggtctt	aaactccaga	gaacctcata	1140
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atcatgcagc	tatcaagccc	gtcctccac	aaaccgagca	agtagagagc	aagaggaagt	1320
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aaaaaggaaa	ggaagacctc	cagacgaata	gctttccagt	tcttcttacc	cagggttag	1440
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agaagactgt	attaaggatg	ccctgcata	ctattattcc	gttgttacaa	gagcttacia	1560
agaggttaca	aggacatcct	aatagtgtg	tgctaattgg	tcagtggcta	aaatgtgtgt	1620
taacagttca	tgcatcatat	ctgtccacgt	tgcttgacct	ggtacccag	ctggggacac	1680
tctaccagtt	aatggaaagc	agagtcaaaa	cttttcagaa	actttcacac	cttcatggaa	1740
agcttattct	tctaattaca	caagtaacag	catcagagaa	gacaaaagga	gcaacttccc	1800
ctggacagaa	ggcaaagtgt	gtgtatgaag	aagagtcctc	tgaagaggag	tctgatgatg	1860
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aaaaagatga	ggacgttgaa	gaggaagatg	aggatgccga	aggaaaagat	gaagaaaatg	1980
gcgaggacag	agatacagca	agtgaaaaag	aattaaatgg	agattctgac	ttagactctg	2040
aaaatgaaag	tgaagaagaa	tgaagacagc	aaagcaagcc	ggtcaaacta	tataaactct	2100
ggctcacctt	gcccagtggt	gagggctgcc	tctgtgccag	gatgccaagg	accgctgcac	2160
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gactgtgtaa	ataagagtgt	ttcattcaaa	tgtaataaaa	ctttacacag	tatatagaca	2280
cattttctgc	aatgtactga	catcagagtc	caatatatgg	tatatattta	taatataata	2340



tcc tagtatg	attgg ttata	tcaagaattg	acaagtgcag	ataaagacct	ttcccatagg	2400
agttcaagaa	ctggactgtt	gtgaagaagt	cagctcttat	ctcagggttg	tatctttcat	2460
caa atccaga	tgcaaagcag	cactagtga	aattttttta	atttagtaca	tttaatttgg	2520
tacattttca	taaaat atga	agggataact	acaaactgga	gtaaaaatga	tggt aattaa	2580
aaaaaatect	cagtatccct	agcttgtcta	ttaactgtga	taatctgact	tgagtcagat	2640
tgaatatttg	gagtgtctcc	ccagaataac	cacttatttt	tgaagctatc	atgtgaagta	2700
tttttttaaa	acaaaacaaa	aattatggtc	attaaaaaac	tagagaatta	gccatattaa	2760
ggatttttct	tgactgcaaa	ttacttctaa	agaatcatca	gtgtatagat	tagaagtgtc	2820
cattacctgc	aactttttaa	aaaaattcag	ttatagctgc	ttttgaagag	gtttccattt	2880
ttattttaat	tactaatgga	tcaaagaaca	attgtttatt	ttttctcttt	ggtttttagat	2940
attaatgata	accttgttgg	aatttttttt	ccaaagaaaa	tatttttata	attaaataat	3000
ttaatgtttt	tcttcctttt	cattacctac	tcttggcagt	gttaggggtat	ctgtttacct	3060
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tatatttgtc	tataaatgga	gctgtttatg	gcaatttaat	accattctct	ttgtaaagtg	3480
aataaatatt	catcttttaa	aaaaaaa				3507

<210> 4370

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(489)

<223> similar to gi4680395 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4370

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aggcggggat	gttggggatt	ttaaaactta	tgtagatcag	gcatgtagag	ctgctgagga	120
gtttgtcaat	atttactatg	agacaatgga	taaaagaaga	cgggcactaa	ccaggctgta	180
tctggacaag	gccaccttaa	tatggaatgg	aatgctgtt	tcagggtctg	atgccctaaa	240
taattttttt	gacacattgc	cttctagtga	gttccaggtc	aatatgttag	attgccaaac	300
agttcatgag	caagcaactc	agtcccaaac	tacagttctt	gttgtgacca	gtggaactgt	360
gaagtttgat	ggaaacaaac	aacatttttt	caaccagaac	ttcctgctga	ctgctcagtc	420
cactcccaac	aatactgtgt	ggaagattgc	aagtgattgc	ttcctgtttc	aagattgggtc	480
tagtagttaa	aggggcaaaa	gtccattctc	atttgggtcca	ttagttccag	caattgaaat	540
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agaagtggag	ttttttgggt	attaggttaa	ttttctagta	aaacacattg	cctgttttca	900
gttaacactg	gtaatgccat	tttaatatat	ggctttttca	aatcagttca	gtgaaaatag	960
tacagattta	ggtttacata	actactctga	catactggaa	ttgcatatag	agatgttcag	1020

tggtcgtttt	tcattttaag	taatttttgt	tttggcattt	ttttgtgtga	agtaaattaa	1080
tcaactagag	aggtgcaaaa	cgttctcagt	tgatatctga	gtattgggtg	catttggtgg	1140
cttaaaagca	aagcttccta	aaaagatttt	tcttggcagc	tccaggtcta	tacatttagg	1200
taatgaatgg	tagtagaact	aatagcttta	acaggagaat	aggggaatgag	aaatagaaat	1260
ccaaggctga	agccaaaagt	aaggagggtg	gccaaatggg	aaactattgg	tacttggttt	1320
ctacctcta	aaaatgtagc	ttatttttag	gatttaaate	actaagtaaa	taagtatcct	1380
tgccaagtga	tcatgagtg	catttttggt	ctaagactaa	tatttttaga	tctttttact	1440
tcacctcata	cttatcacca	atgtatatct	ccatttattc	aataacttac	tggggtaaaa	1500
taacagcaat	aaacctaacc	ttttaacagg	gtctaacatg	agagttggag	tcaaagccat	1560
tgttatcttt	tggtgacacc	cttaaatttt	aagtcttcca	gtcttccatg	tgaactttag	1620
gcccagaagt	tcttatgtat	cacacatccc	ccaaataagt	gattttttcc	cagtgccttg	1680
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acaaaatgct	taactttatc	tcttaatttc	taaaggtaaa	taacctagg	tcagcttttg	1920
cttaaacatt	aaatatcttt	tccatttttt	aatgtttgta	agctagatat	gccagctttg	1980
tttctacatt	gcaacccaaa	actgtttctt	ttcacttaat	tataaaacca	gtaattcatt	2040
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aattgtatgg	aactcaaatt	taaaccatgc	tttcttgtag	tactgattga	aacttacacg	2160
ttttattcta	ctcatagtga	gcttattctt	attttggatt	gattttcccc	aaaaccacac	2220
gcttcagcag	caacaatcca	gaatgtcccc	aaatgcctgt	cctttcccct	tacagagaag	2280
aacaatggta	acctaaaagc	tgccatataa	cctagcaata	acctacattg	aacgggtgtg	2340
aattgttcat	gattgtttgt	ttttaagact	tgtatataaa	ctgctttttc	caaactctgt	2400
ataactttta	aatggctgga	actactcgta	taaggactag	actgtatttt	tgacatgctc	2460
ctatttttgt	aacttgaaaa	aataaaattt	tgccttgtgc	cagattttta	aaaaaaaaaa	2520
a						2521

<210> 4371

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1143)...(585)

<223> similar to gi5708202 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4371

ctgggcgtgg	tggcgcacgc	ctgtagtccc	agctacttgg	gaggctgagg	caggagaatc	60
gcttgaacct	gggaagctga	ggatgcagtg	agccgagatc	gcaccgtctc	aaaaaaggaa	120
gtaaacatgt	ccttcctgtt	ctcattttaa	acttgattta	gatttccaat	aatgaaagac	180
aagtgggtgt	gtcacatgtg	tgctagcaat	gtgaaacaaa	tgctattcat	atttctcaat	240
tcataattgc	agtttgattt	ttgatgttag	ttatgggctt	tggattcctc	ttcaatcaaa	300
tcagcttcac	aagttaaatg	gattgttttt	attaattttac	aatgaaatag	tttttgaatg	360
acttcacaca	aaaacctaga	gataacatca	caattgcaat	gttataaagt	ttaaaggcct	420
attcatttca	ctgtcagttg	aaattcggtt	ccagggtgaa	attctggagc	tggggttttg	480
cactgaggat	gctacacagc	cactagcctt	tttaatttgg	gctttattaa	cagaaatact	540
gacttagtga	aattacaggc	ataggcctct	taatcgcttt	ttatgagtct	gaacttttgc	600
tttcaatacc	aaatagtatc	tgaaaaacat	gctcactttt	gtgcttcttg	agaaattcta	660

agaattggcc	cagattcatg	tgatagtc	tccttaatcc	atagtcacca	tgagcctcaa	720
ggagtaactc	ttcaaaagaa	tggaaggc	gcaggctctc	accatttcct	tctgtctcca	780
cgctttcagc	atgcttacag	gaaatgtgct	tccaattggg	gtacctaat	gtgtgccaga	840
actcctcaca	gtgctctttg	aaaccctcca	cacagattat	accaggcttt	cctgtcatgc	900
aaaatccagt	cacatctaac	cttttcccaa	catccaaaat	ctttttcctt	aggctcctgct	960
gatataatg	gtgactgtag	atccacattc	ggaggaatgt	gttcttgact	ggctttgctt	1020
gtgtagatgg	ttcatataca	agctttctgt	tcaggaaata	agatgcactg	ttgtcctgta	1080
gccactggat	tgctgcacat	acacagagct	cacctggatc	aaaagtcctt	atgtaagact	1140
cgtgcc						1146

<210> 4372

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(502)

<223> similar to gi1653787 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4372

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ctaggagttc	acttcacacc	aaggatggat	ggcagtat	ggctagggcc	taatgcagtt	120
cttgccctta	aacgagaggg	ttacagaccc	tttgacttca	gtgccacaga	tggtatggat	180
ataattatca	atagtggctt	gattaaactg	gcctccaga	atctttccta	tgaggttact	240
gaaatgtata	aagcatgttt	tcttgggtga	acagtgaagt	atcttcaaaa	attcatccct	300
gaaattacta	tcagtgat	acttaggggc	ccagctggag	taagagccca	ggccctggat	360
agagatggaa	atctggtaga	agattttgta	tttgatgcag	gagttgggga	tattggaaat	420
cgcattcttc	atgtgagaaa	tgacacctct	cctgctgcta	cttcttccat	tgcaatttct	480
ggaatgattg	cagatgaagt	acaacaaaga	tttgaattat	aaataatgaa	aggagctagg	540
tcaaagataa	ccactgcatt	gttaaaatga	tgtaacatag	aaataataat	tttctacaaa	600
aattagccag	gcatgggtgg	gcatgcctgt	agtctcagct	actcaggagg	ctgaggcagg	660
agaatcaatt	gaaccgagca	gacggagacg	gagtttcact	cttggtgccc	acgcttgagt	720
gcaatggtgc	gatcttggct	cactgctg				747

<210> 4373

<211> 1912

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1647)...(1151)

<223> similar to gi4809337 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4373

gctaccttag	caacaaaaag	aagtaacaaa	tacaaatggt	tggagatgtg	tgaatactta	60
cattctttct	aatcacgtc	aatagatta	gttcaaact	gaaaatctca	tcaccataag	120
taacaaacta	ggactgccat	tcaattccat	ttagatgaga	tcctttgctt	cttagtatac	180
caagccaaaa	agtaaaacaa	agtcaagcat	gagaagcaat	ggtagaaact	gataatattt	240
cccaaggaaa	ggaacagacg	catttcttca	aggaaaaaaa	aggggggagg	gttattaaat	300
gaagaagaga	tctaattgtt	caccatgttt	atttgatata	atgatttctt	agtccttaca	360
caaagggaag	taagcactcc	cttccctttt	ttgttgcatt	tgtgttagca	ggagtcggaa	420
gaacagaata	tgagggaaca	agcagagggg	gcagaaaata	gaaagatggg	gaaagaaaga	480
tgtgttgtaa	gacacagagt	gagtgtttat	atgaaccctt	ctctaaataa	gcagtatcaa	540
caaagagtac	aaagctgaca	acatggagtg	tcttcttaca	gaaataatct	gggaccacat	600
tcaacataca	ttatacagca	tcagggtaca	ggttttccgt	cagaaattat	gtgtatatcc	660
ttttttctcg	cttttaagtt	tcattgatga	cattgttcat	atacttttag	tgtattatta	720
agcaaatatt	aatttaatac	tataaaccaa	tcctgggtcag	caaaaagcac	tgtagctgc	780
catgtaaagg	tccttctgtc	aagtaaaact	tcattctaca	cttctagctt	cctatcagag	840
gaacttcttg	aaggaactct	ttcagttggc	tttacaactc	atctgcaaca	ccaaatgtgg	900
attaaattca	gatcacacct	tggttgtgta	tatatgtata	taacagcccc	tggcacaatt	960
agctaataat	ttgtaattgt	aaacgaattg	ttctctttta	gccatttccc	ccccatttcc	1020
tataacgggc	tttatccaaa	tgctttgggt	ctccataagt	aactgtgagt	cagaggtgcc	1080
tcagtgtctg	agatgcctgt	cacagagaag	atcagaatgt	gtgaagataa	ccctgcatta	1140
cgttcatctc	atcagttctg	cccaatccac	aggggtaaaa	aatggatgag	atttgatata	1200
ttcaacacca	gcaactccag	caccaagtcg	ttccagagga	ttgaactgca	agagctgttg	1260
aatgagttag	cgagcctctt	cagagacaca	ttctggcatg	ttcaaagtag	tgtgagtatt	1320
tattcctgct	ggatggcatt	caaccagagt	cttgccagtg	agaagttcaa	agaggacagc	1380
acccaaactc	caccaatcac	aggcttcagt	ttcttcagtg	attgctccaa	cctctggggc	1440
acagtacatt	ctctctatgg	catcgctgtc	acaggaatct	tcaacctcac	tccacctgct	1500
aaaatacgtt	agctgaatgt	gtcctctatc	attcaataag	atgttggttg	ggttcaaata	1560
gcggcacaca	attccctctc	tatgtaaagc	atcaagggtc	accaccattt	cagctgcccc	1620
tcctttgaatg	cagccctctg	ggatgtaaaa	cctggaggct	agtgtcaatt	ttttatcaag	1680
gtcctcaaaa	atctgatgta	ttccttggtc	tcctctagc	actaaaccac	tttcacctt	1740
agtctcagag	tctctctgga	ataaagaagt	tggttcctct	ttagccaaat	catcagctctg	1800
atctgtaaac	agcaataact	cttctgtttt	taaagtgtct	gtgcttgcaa	tatattcatt	1860
agcacctgag	agtggactac	aaatacgggc	cacgcgtccg	cccacgcgtc	cg	1912

<210> 4374

<211> 1740

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (248)...(644)

<223> similar to gi3882281 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4374

tgcacacaa	aaccaatgga	tgaacctggg	taaagagtgt	tagtataaac	aagtagtggt	60
tatactat	gtcttcttgc	aacttttctg	taagtttgaa	attattcttc	aatattaage	120
taaaaat	tttttaaat	cttggccaaa	taaatgattg	tttttcaaat	gaatattttt	180
tattttac	gctttctttt	cctgttctct	tacttctttt	cttccttttt	tgtgtccctt	240
cttttaga	aggtccaagg	gagagaagg	catttccgtg	gggtcaaacg	gcatcacgaa	300
gcatcgga	acccggtatt	acagttgcag	agtgatggct	gtgacatcgc	agaccttcta	360
tgaggtcag	tttgatgatg	gctcctttag	cagagacaca	tttcctgagg	atatcgtgag	420
ccgagactg	ctgaagctgg	gcccacctgc	tgagggagaa	gtcgtccaag	tcaagtggcc	480
cgatggcaa	ctctatggag	caaaatattt	tggatcaaat	attgccacac	tgtaccaggt	540
tgagtttg	gatggatccc	agatagcaat	gaagagagag	gacatctaca	cttttagatga	600
agagttac	ccagagagtga	aagctcgatt	ttccacagcc	tctgacatgc	gatttgaaga	660
caggtttat	ggagcagaca	ttatccaagg	ggagagaaa	agacaaagag	tgctgagctc	720
caggttta	aatgaatatg	tggccgaccc	tgtataccgc	acttttttga	agagctcttt	780
ccagaaga	tgccagaaga	gacagttagt	tgcatacatc	gctgcaggcc	acagagcagc	840
ttgggttg	aaagagaaga	tgaagggaca	tccttggggc	tgtgccgtga	gttttgctgg	900
cataggtga	aggtgtgtgc	tctgacagt	gtaaatcggg	tttccagagt	ttggtcacca	960
aaaatacaa	atacacacaa	tgaattggac	gcagcaatct	gaaatcatct	ctagtcttgc	1020
tttcaact	gtgacgttgt	cttctatgat	cccaaagaag	ttttctaagt	gaaaggaaat	1080
actagtga	atccccaca	gaaaagccac	tgccacagag	gaggcgggtc	cccttgtgag	1140
gcttaggg	ctgtcaggaa	acacacgggg	acctctctct	ctagctccag	caggtggcac	1200
ctcggta	ccagcggtag	gcgataat	atatattttc	cacagtcagg	gaaggactct	1260
cacttatt	gttcaaattg	cagtttttat	aaaacatttt	taaaacacaa	atggcatgta	1320
tgctaata	gagttaccgt	gtgctatctg	tatttccctt	gtacagaact	tttacatttt	1380
tgaatatt	cttacttttt	gattgtgtct	gatgggaact	gagttgttgg	cctttgtgaa	1440
atgaaat	ttggctcttg	gaaagaat	ttatgaattg	ttatgcgaat	tttatatatt	1500
taaagagg	gatctggggc	tgttattttt	aaacactttt	tttcataata	catattccga	1560
gtagatatt	ataaaatata	tgtttctttc	attatgtgtt	tgtaaaatta	gagttttaa	1620
aaatatg	cttgatcatag	ttttgaacta	atgtaacatg	atttttcttt	tttaaaacag	1680
cctgaaaat	gtactagtgt	taaaaataaa	gattttccatt	ttctccaaaa	aaaaaaaaaa	1740

<210> 4375

<211> 4013

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(456)

<223> similar to gi3219332 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4375

cagacagagc	tgctcctgcg	ggacatcgcc	gccttctgtt	tcctgggcat	cctgtgtagg	60
cgctccgctt	tccttctgga	tgtctttggg	ccgaagcatc	ctgctctgaa	gatcactcgt	120
cgctatgcct	tcgcccata	cctaaccggt	ctgcagtgtg	ccaccgtcat	tggcttttct	180
tattgggctt	ctgaactcat	cttggcccag	cagcagcagc	ataagaagta	ccatggatcc	240
caggtctatg	tcaccttcgc	cgttagcttc	tacctgggtg	caggagctgg	tggagcctca	300
atcctggcca	cggcagccaa	cctcctgcgc	cactacccca	cagaggaaga	ggagcaggcg	360
ctggagctgc	tctcagagat	ggaagagaac	gagccctacc	cggcggaata	tgaggtcatc	420
aaccagttcc	agccaccccc	tgcttacaca	ccctaatagc	agccctgggc	tctcttcttc	480

ggcagccct	ccctcaactc	tgcagctcct	ctcgaccca	gaggagctcc	tttccccagc	540
aggcctcact	ggtaggatcc	tgaccatctt	ctccaaacct	tccccaggag	agactctgcc	600
tttaggggtca	tccaagtatc	cctgctctca	gaaccggagg	tccactgggt	ttctataatg	660
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gaaggtcatc	caagtttcc	ccagcatggg	cgatatcttt	gggaccgaga	ctttccttgg	780
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gcctatcaag	gaccagagt	aaagggacta	catctccag	cccttcacct	tttaaataatg	1200
agtggtttta	aaaggaaaaa	aatgaaacca	ggcaacagca	acaatattct	gtttttaaaa	1260
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tttggggctg	tagctccttc	caagcccatg	gtagtccctc	cccaggtctc	tcccagtaga	1380
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cgtggaaccc	agaggggctg	aggactgtgg	cctggctggc	ggggccagcg	ggtgctcctc	1500
aggactgcag	cactgagatg	gaacctggcc	tcagtttagg	aacaggggcc	acaacagggc	1560
aggaaccac	caccctccac	ataggaatac	aaccagtggg	gccacatcat	gtgaggcatc	1620
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actctgactc	gggactccag	cttgccacgt	gcccctctcc	ctcttgaatg	tactctgggtc	1740
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tagatagttt	gagcaagact	ggagaatgga	caacactatg	aaagtgtggc	tagaaagggga	2040
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gtggtgaggg	ccacatctgc	acacgagcca	gtggctgctt	gcagttcact	gctgtgatgc	2160
cagagtgtgt	tcaaagggtga	ctctcctgct	cttctggact	cttctctcag	gcaagaaagg	2220
ctgcaggctg	cctgctatgt	gatgcctgag	cacaaagcca	aggaactgaa	ctaagtcttt	2280
ctgttaagtc	ctgagtttgt	catgggcagg	ttacttgtg	gccagctctc	tctgcccctg	2340
ggtgtctgag	caggcagacc	agaagaccag	gcactggacc	tgcatgccaa	agggcctggt	2400
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tttattcact	ccccatgtct	ttggccttcc	tcttctttct	ctttccctct	gccatcctga	2520
cactgatagt	ttgtcatata	aattccccgg	gttgtgtttt	tttttctaga	aaaaaattaa	2580
aagggaaaac	aaaacaaaaa	aaaccagaaa	ccacgaataa	gaatggaaat	gacaatggct	2640
gcctgtcatt	tttctgtcac	gatttttctg	atttggtttg	ttccctttgt	ctcagagaag	2700
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cgctctgtca	cccgggctgg	agtgtaacgt	ggcatgatct	cagctcactg	caacctctgc	2820
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aggagaacgt	ggctcctaaa	ctctagccat	cctgtgggag	gaaatagact	tctttgggct	3300
gtggcttgca	gaacaaacta	cacttttttt	ccctctattg	tttaaatttt	atttaataat	3360
ttgtgtgttt	ttctgtcttt	attttctgta	tttcacgtgt	tccttcactc	cctagaaact	3420
gcactttctt	tgaaccata	ggtaatgaat	cttactagga	gaggcatggg	gatagagaca	3480
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gtccattcag	acaaagcacc	attaggcacc	atgaaatata	cagtgcagga	caggaccctg	3780
tctgcaagga	ttttatgtcc	ttagttcagg	agatggactt	gtccacacaa	aggcaaagtg	3840
aagtgggcgg	ccggctcgga	aaagtctctg	gcccagaagg	gagccagttc	tgacctgagt	3900

gataatgaaa	ggcttcctgg	aggacgcagc	ttgagccaca	cttgatgtgg	gagtgaactg	3960
ggatagggac	actcctgctg	agagaatggc	aagagcaaaa	gcacactggt	ggt	4013

<210> 4376

<211> 1617

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1618)...(1012)

<223> similar to gi3130051 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4376

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tgaaccttat	agaacagatt	gtgtaaagca	gccagggcca	caggagtga	agaagatgga	180
gacccgccgt	ctgggtcatga	tatgagaggc	ctggacagt	acctcacgaa	caaaaagaaa	240
tgatcctctt	cagtccaaag	tgtgtttgtg	agactaatga	ctccatgccc	tcacatggcc	300
actcctctta	cagcagacag	cttcactccg	ctccagcccc	ggtagtcgg	tctgtggtaa	360
tttacatggg	aatgggatga	gatctagtag	ttttagatcc	aacgcaattc	tgggaagggt	420
tggtaataaa	ccaaaactca	atctatgcag	tatttaaaaa	ataattgaga	gttgtagaaa	480
cttcgattct	tttcaggagg	tgtgtcttta	agatagaaga	aagggatcaa	gctcttatct	540
tagaaagcac	agacacggtt	agctcagggt	agtgcatttc	aatgctaagt	ggctgctcca	600
tgaaatctaa	gggccgggta	aggggaagag	gccaggggac	ttcttccttg	tctgacactc	660
tcgggactag	cattctggca	ggtcttacaa	gttataatac	aaaaccatca	gataaattct	720
aatcacgact	gtgtagttcc	tccccaaaat	aattttcctc	ttagaagtaa	aatcaggaaa	780
ggggctgagt	tctgaaaaga	aacatcgggg	ctgtggcccc	aggcctctg	agtgtggacg	840
ctgtcccccg	tgtctccatg	tttactgcct	tatcgtctcc	tttgatgaa	agtataattt	900
acgtaattcg	tccttggaga	atcacagtgg	tggtcaagaa	ccttttgagg	ccatccaagt	960
ttttgtcctt	cagtaccttg	aaatcagata	atctcaacat	ccagaaatag	cctttgattt	1020
gttctttctc	tgatgtcttg	tgtccttggg	atcaaagcct	ctttcactgg	caccaaataa	1080
tgcccagtga	ggagttcttg	ccatataatc	ctttgcgctg	aacgtttttg	atccaccact	1140
atcttcatat	tcctggatga	gctcctggaa	gcggttataa	ttgatccatg	tccaccattc	1200
accaccaatt	ttaaactttc	tgtgtgctat	caggaggcaa	ttagagtgtt	cgtgttcaca	1260
tgcaatttca	tattcgggga	tcagatccac	cagctcgcgg	acaaactgta	ccacttcctc	1320
atgccagggc	acgtgggcca	tggttaagact	gcttgctgaa	ctttctccgc	agtaggtaac	1380
gcccttcaact	tcgatgaagt	caggatttcc	cagggacacg	agctgcgcgt	aggcctggag	1440
ctcgtccaca	ttccatgctt	tcacgagcgt	cagtctgtag	acagttegtt	gttgcttgac	1500
tgccaaggct	tttaaactgt	caaggaattg	ctgccagaaa	tccttgaaga	gtgggcggtc	1560
gattttcttc	aggctgtctt	tggtagctggc	atccacactg	acatacagct	gagtaac	1617

<210> 4377

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(247)

<223> similar to gi4929551 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4377

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catcgtggcc	accgctgtga	tgtgggctgc	cgccctatat	ttttcttcc	agaatctcag	120
cagctgggag	ggaactccgg	ccgaatcccg	ggagaagaac	cgcgagtgc	ttctgctgga	180
tttcttcgat	gaccatgaca	tctggcactt	cctctctgct	actgctctgt	ttttctcatt	240
cttggatttg	ttaacttttg	atgatgacct	tgatgtggtt	cggagagacc	agatccctgt	300
cttctgaacc	tccaacatta	agagagggga	gggagcgatc	aatcttggtg	ctgtttcaca	360
aaaattacag	tgaccacagc	aaagtaacca	ctgccagatg	ctccactcac	cctctgtaga	420
gccactctg	cattcacaca	ggaaggagag	gggctgcggg	agatttaa	ctgcaagaaa	480
ggaggcagaa	ggggagccat	gttttgagga	cagacgcaaa	cctgaggagc	tgagaaacac	540
ttgctccttc	catctgcagc	tttgggagtg	caacagggat	aggcactgca	tccaagtcaa	600
ctcaccatct	tgggggtccct	cccaccctca	cggagacttg	ccagcaatgg	cagaatgctg	660
ctgcacactt	tccttcaagt	gttacctctc	ccagaaaggc	caagctcgtg	gacttcttgg	720
ccaaatactt	gggtaggccc	cgcggtccg				749

<210> 4378

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (52)...(618)

<223> similar to gi3283908 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4378

aagggccctg	aagccaccgc	catggtctgt	gtgtgttccc	atccaaactg	cagacagaac	60
cacatcaaac	ccagccacag	cgcggcacag	acctggtgtg	gaagccccac	tcccgcctct	120
gcccccaacc	acaagctcat	ggctatggaa	caaggcaaga	cccttccatc	tgccacggag	180
gatgcaaagg	aagagggctc	ggaagcccag	atcagccgct	tggcagagct	gattgggagg	240
ctggagagca	aagcactgtg	gttcgacctg	cagcagcgcc	tgtcagatga	agatggcacc	300
aacatgcacc	tgcagctggt	ccggcaggag	atggccgtgt	gccccgagca	actgagcgag	360
tttctggact	ctctgcgcca	gtatctgcgg	gggaccactg	gcbtgaggaa	ctgcttccac	420
atcaactgcc	tgaggctctc	agatggcttc	acctttgtca	tctatgagtt	ctgggagaca	480
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gtggacacac	tgagccagcc	tgaggccctc	tccaggatct	tagtgccagc	tgcttgggtc	600
acggtgggac	gggactgaca	gcctcccaga	ggcccgtgga	ggagccccac	agccccctct	660
tcttgtgaag	gaaatccctt	gtttttttct	agacagacac	tttgggtgcag	aagcttcttt	720



tcaatccatc	ctccacaaga	aggtgtttcc	ctgttggttaa	gtgaaggagg	cgcgccctgc	780
ccccacctga	gaaggcagag	cagtgtctgt	gctgccaggt	cctgggtgaag	cccaagggtg	840
aagggggcgg	cttctggag	ccagcacccc	tgccctctgg	tcctggcctc	tcccctaccc	900
ctcacatggc	cacgcatgac	ccacac				926

<210> 4379

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (603)...(250)

<223> similar to gi300372 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4379

ccacgcgtaa	acttggggccc	ctccagggat	cctttaaaac	ggccgcccct	tttttttttt	60
tttagaagtt	tgaccagaa	tatatattat	ttttctcata	aaagttatac	caaaaatata	120
ttttcttaac	ttaaaaatac	agcttcaaaa	agcaaaattt	gagttgtag	aattcattac	180
acattttata	aacagcagtg	aaaggaagaa	gtcagcagaa	tggaattcaat	ttttaataac	240
acaaatgttc	atttcacaag	cttgactttg	tcctttaata	acttaaaggt	agggttcttg	300
ctgattttct	tgttaaagat	gaccaggagt	tcctcttcgg	atctgtgatg	ctcatctgtc	360
actgtgtagt	actgagctaa	aacctttttc	cttagctttt	tgatggttat	ttcattgtct	420
ggggcctggt	tcagaattgc	tttaatagtt	cccttcagat	tgaatttacc	ttttgcagga	480
gcctcatcgt	cttctgggtc	tcgcacctca	ggatgctctg	ggagcttcat	ctttttcttc	540
ttagaatctg	tttcaacttt	cgagtgcctc	cgcttcctct	tcctgcgcgc	cacgcgtgcc	600
tc						602

<210> 4380

<211> 1773

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(384)

<223> similar to gi3758794 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4380

ttttgtgga	ggagaagatc	aagctgtgtg	aagggtgaaa	tcgcattgag	gttctggctg	60
aaggctggga	ccacttcttc	actgagactc	tcctaccct	gcaggcaata	ttttatccag	120

ttcagggcca	ggagctgact	atccgccaga	tctccctgct	gggcttccga	gacctagtct	180
tgctgaaggt	gaagctgggt	gacctgctgc	tgctggccca	gtccaagctg	ccctcgcca	240
ttgtccagat	gttgctcatc	ctgcagagt	ttcacgagcc	cacaggccca	agtgaagatt	300
atgtgcagct	ggaggagctg	gtgaagcaag	tgggtttctcc	tttcctcggc	atcagcgggg	360
accgtagctt	ctcaggcccc	acgtacacgc	tggccaggcg	gcactccagg	gtccggccca	420
aggtgactgt	cctgaactat	gcctccccga	taaccgcagt	cagccggcca	ctgaatgaga	480
tggctttgac	cccactgaca	gagcaggagg	gggaagccta	cctggagaag	tgtggcagcg	540
tgccggcgga	cacggtggcc	aatgcccact	cggacatcca	gctgctggcc	atggccacca	600
tgatgcactc	gggcctgggg	gaggaggcca	gcagtgagaa	caagtgcctg	ctcctgccac	660
ccagcttccc	cccgcgccac	cggcagtgtc	ccagtgaagc	caacatcacc	gacaacctg	720
acggactgga	ggagggggcc	aggggcagcc	aggagggctc	ggagctgaac	tgtgcttccc	780
tcagctgagt	cgccaccctt	gggcctttcc	atctcctgtt	ttgcaaccag	gatgaggacc	840
cctccatctc	cgtggattac	tgaggggggc	tcttgcttta	tgcgatgctg	ccttatttcc	900
tttagggtag	tgtcctggtc	aaaatgacct	aaggggaaac	cgttggtgta	aacctcttta	960
ttttggtgac	tgtgaccact	tctttgtagc	caccaattgt	agtgaccagt	tgccaatagg	1020
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ctccgatgtt	ggactgcctg	atgctcccaa	tgacatatcc	aatgctcctg	gcattttctg	1140
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gaatgtgcct	tccttatttt	aggttcagaa	ttgctgggaa	agttaccca	ctggtgggtg	1380
aggatctatc	ctcaacctac	atccagatcc	tatgtgctgc	ttgcacagag	gcctttggct	1440
tttgaccag	gagggccgcg	aggctggagc	tgccctgtct	ttcattgagc	cttagcattt	1500
ccctctcagg	cttcctctca	agctcaagga	actcaccccc	agataagaag	ctggtgcctc	1560
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ggccagctga	taccaaccaa	ctggcctgta	tctatctatc	tggttttgac	ttgaattttt	1680
aaaatgtgta	tcgttttaaa	aaaaaaaaaa	gggggggcct	tttaaaagaa	tccttgaggg	1740
ggcccaattt	aaccgggggt	tgaaggtta	tat			1773

<210> 4381

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (659)...(308)

<223> similar to gi3878051 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4381

tttttttttt	ttggatatcca	aaacttggtt	ttattaatag	tcttaaaggg	cattcaataa	60
aacgttccca	taaatatgcc	agtgaatttg	ttttaataac	agaagatcat	gacctataa	120
attactaaga	aaaatatgct	gcacagtaaa	acaatgtctg	atgttcttga	aaatactttt	180
tcactttaca	agagatacaa	tatgtgcttc	agtttacatt	ttactctcca	tctaacttca	240
gaaaaaaaaa	acaaaaagga	tgctatacta	agaaatcttt	agtatgagga	gtatgtaatc	300
atagcctcag	aaatttcaaa	agctgccaca	atgtttttcc	actcctgtaa	agtcaaagat	360
ataactccct	gtttcctgcc	atggcaactg	gaatcatttc	cctcacccat	ttggttaaca	420
ttcatcggtc	ctaattattg	cagcctgtct	tcattcaagc	ttattcttgc	aaaaccatct	480
cttacaataa	aagaaacata	aaatatattc	tccacagtac	gagaaaaaga	gtttggatca	540

atcacaaact	caaaatagga	cacaggagta	tcaggatact	ttcgaaagta	ggtttgcaac	600
aatcccaaaa	tcctttctac	gtttttttct	gtcgtttctg	gataactact	cagggtccaac	660
ttctgcaact	ttgtaggcat	gttg				684

<210> 4382

<211> 1157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(646)

<223> similar to gi861406 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4382

acggagtcgt	gggatcaaag	actttgaaaa	cgatccccc	ttatcatcgt	gtggcatttt	60
ccagtccaga	attgcagggg	acgcgctact	ggacagtggg	atcagaatca	gctctgtgtt	120
tgctccccc	gccctccgct	gtgtgcagac	ggccaaactc	atcctggaag	aactcaaact	180
ggagaaaaaa	atcaagatac	gagtgggaac	tggaaatctt	gaatggacaa	aatgggaagc	240
tggcaaaacc	accccaaccc	tcatagacct	ggaagagctg	aaagaggcaa	atttcaacat	300
tgacactgat	tacaggcccg	cgtttccctt	gtcgcgcctc	atgccggccg	agagctacca	360
ggagtacatg	gacaggtgca	cggcgagcat	ggtgcaaata	gtcaacacct	gtccacagga	420
cacgggtgtc	atcctaattg	tgagtcacgg	ctccactctg	gactcctgca	cgcggccact	480
gctcgggctg	ccgccccggg	aatgtggggg	ttttgccc	ctcgtgagaa	agatcccttc	540
cctgggcatg	tgcttctgtg	aagaaaataa	agaggaagga	aaatgggagt	tgggtgaacc	600
accggtgaag	accctgaccc	acggggcgaa	cgcagcattt	aactggagga	actggatctc	660
aggcaactga	gagccacggg	gatgttgtca	taacctcaga	gtggagaggc	agaaaccatg	720
tgcagaggct	gggagatgct	gctgtttcca	gaggcgtctt	agtctcacc	aatgtgattt	780
gtagaagcac	gagacgcact	tttatatccc	ggaatatctt	cctccggctt	tcgcctttgt	840
aactcccatc	tgtggaccca	tcgtccacca	gccagctgc	ggggagcaca	gggcagggtg	900
ctgggtgagg	atgccgcctt	gcagcatgta	caccgagtgt	ctgcagctgg	ggacacaact	960
gcccgggact	ctaacttcca	ggaattaaag	actcaccaca	cacgaaggat	ctaaccactt	1020
cattttccat	ggtctaata	ttaaattccc	aatcgttttt	tccttttctg	ggtccatcac	1080
tccttagcca	tatccacatg	ggctaaaaca	ggtgtaatat	tcaataaaat	ggtcccagaa	1140
aaccatcgac	cacgtca					1157

<210> 4383

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(412)

<223> similar to gi5670193 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 4383
caggatgaat atggtggttc ttctatcatt ccaaactttc agatctctca agattcagta 60
gggaacagca ataggagtga aacatccaca tctgataaca cagaaactta ccaagagaat 120
acaagttctt ctggtcatcc tacttttaag tgtccctgt gtcaagaatc aaattttacc 180
agacagcgtt tactggatca ctgtaacagt aatcacctat ttcagatagt tcctgtgaca 240
tgtcctatct gggtgtctct tccttgggga gatcctagcc agattaccag aaatttcgtt 300
agtcactctaa atcagagaca tcaatttgat tatggagaat ttgtgaatct tcagctagat 360
gaagaaaccc aataccaaac tgctgttgaa gaatcttttc aagtaaacad ctgaaggctg 420
tagacatctc tgcactcttg tacctgcaag tgccatcttt aagggggaaa ctacatgaag 480
tcaccgttac agtaacttga tgtgtatatt aataaaagta attcagtcac tttagttttt 540
gattgaaaat aaaggtaggg cttctaaaaa cttcatcacc ttgataagtt aaaaaatgaa 600
agttatgaca ttagctttta aggtgtaaaa aagatgtttc actaatgtaa cggtgaaaga 660
gaatccctgt tgtactttat ctttttgtaa tattattttt gaatttttca ttattatggt 720
gcttttgaaa tttgatgcat tcttcccat tactttatta ttgtacacat ttaacacaca 780
gtagcaaatt ttgaacgat tgattgatat aacctaacaa atctgagcca gttattatta 840
gagttgcaga atagaaactt gaagtgtctaa atggaataat ccaaaggaaa ttttttaaat 900
gcaggttcta gctgaaaaat tcaactataa gaaaattgta tttatataac atttactatt 960
tttgaagact agtgagattt ctgtaataat ttttaattct taaaaagtga aagcttggtg 1020
taaagatatt ttctttttgt tattataagg aaatacaaa agaaaaattt ctttctttca 1080
tgggcatttg ataatttcag tctttgg 1107

```

<210> 4384

<211> 7853

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(6640)

<223> similar to gil665761 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 4384
ctgcgaccgg tctgccactt gccaggtgac cgctgatggg aagaccagct gtgtgtgcag 60
ggaaagcgag gtgggggatg ggctgcctg ctacggacac ctgctccacg aggtgcagaa 120
ggccacgcag acaggccggg tgttctgca gctgaggggc gccgtggcca tgatggacca 180
gggctgcagg gaaatcctta ccacagcggg ccttttcacc gtgctggtgc catccgtctc 240
ctccttctcc tccaggacca tgaatgcac ccttgcccag cagctctgta gacagcacat 300
catcgaggg cagcacatcc tggaggacac aaggacccaa caaacacgaa ggtggtggac 360
gctggccggg caggagatca ccgtcacctt taaccaatc acgaaatact cctacaagta 420
caaagaccag cccagcaga cgttcaacat ctacaaggcc aacaacatag cagctaattg 480
cgtcttccac gtggtcactg gcctgcggtg gcaggccccc tctgggaccc ctggggatcc 540
caagagaact atcggacaga tctcgcctc taccgaggcc ttcagccgct ttgaaacat 600
cctggagaac tgtgggctgc cctccatcct ggacggacct gggcccttca cagtctttgc 660
cccaagcaat gaggctgtgg acagcttgcg tgacggccgc ctgatctacc tcttcacagc 720

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gggtctctct	aaactgcagg	agttggtgcg	gtaccacatc	tacaaccacg	gccagctgac	780
cgttgagaag	ctcatctcca	agggtcggat	cctcaccatg	gcgaaccagg	tcctggctgt	840
gaacattttct	gaggaggggc	gcatcctgct	gggacccgag	gggggtcccgc	tgcagaggggt	900
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catcttcccc	aaggagtgtg	tctacatcca	tgaccaaacg	gggctcaatg	tgctaaagaa	1140
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gtgtgcccc	ggcttcagt	gccggttctg	caacgagtcc	atgggggact	gtgggcccac	1500
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gcctgatgat	gctcccatcc	cgaggagaaa	tgtcaccgcc	gccgcccagg	gcttcgggta	4140

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<210> 4385

<211> 1155

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(296)

<223> similar to gi5596433 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4385

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<210> 4386

<211> 6179

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)... (3828)

<223> similar to gi2224639 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4386

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acacgtcaag	taggacaaca	tattgaaatg	gaaccagagt	gggaagcagc	cttcacacta	180
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<210> 4387  
 <211> 1369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (136)...(731)  
 <223> similar to gill107895 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4387

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cggctggact	ggaagcttgc	tgcagaggag	gctaagaaac	attcaggccg	gcagcagcag	720
cagagagcag	agagcactgc	aaccagacct	gggcctgaga	aagcagtcct	atcttcagtg	780
gctacaggca	gttcccctgg	cattaccttg	acaacgtatt	caaggctctga	gtgccacgtg	840
gacttcttca	ggactccaga	ggaggccacc	gccctttcag	ctcctaccag	cagactatca	900
gtgaaacagc	tggatcatccg	ccgtggggct	gctctggggg	cggcgtcagc	cacactgatg	960
gtggggctca	cggtcaggat	cctagccacc	aggcactagc	aaagaagctt	ggaaatagaa	1020
agccaggagt	ggctgtcccc	agtatgcaaa	cacaccacgg	tctgccctgc	aaaaacacca	1080
atggggctca	gtgcagggtg	acactttgaa	ccactcctca	aaaaaagaac	tttggtgat	1140
tccttgtggg	gacactcaga	ggggtctgaa	cagacttgac	aattctgttc	tgggtcaagct	1200
ggagttttct	tctgtgactt	ggactgctct	acagaagaca	tcagccaact	gcacgagtca	1260
gagtccaggg	attgtcacta	ttattaataa	tgtaaatggc	ttcaaatggg	acacctgcag	1320
ataaaatcac	aaaaaccact	gttatatta	agattacaca	tttctggg		1369

<210> 4388  
 <211> 1297  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1240)...(738)  
 <223> similar to gi3874821 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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<400> 4388
ggcaccaatc caatgtcagt atctgcaggc tgaagtacag acagttacac tgaaattgcg      60
tatgctctga ggaatgacac taaattcgct tccaggaaaa ttactcaatt ttgtaagtaa      120
ttttcagttt tttttctcag ggatattttt caactttcac ttttaattttc ttttagttgct      180
tagttgtaca ttttgagaag gcaaattccat tggaacttgg ggaggcttag aacataaatc      240
agtattagaa gtaaagggaac cacacagcta aaagttttac tttaatcaca aattcacaac      300
tagagatatc atttgcatat cttagaacgc taaagacctg ttaaaatttt ttaaccaatc      360
agcaaaaata tgtgccccac agattttctaa tgttcataat ttagaattta tcacatataa      420
tatttattaa tagtttattt gcaaaaattat tattcttaaa acacttcttt ccaacacatt      480
tacaatgttc atgtgtttta aagaaaaaaa ccaccctcat ttaaaaatgt actactgact      540
ttaatgtgtg gttataccag tgccaccaa ttagaaaaga aaaagaaaca tacagctgta      600
ttggatatgt agttactact acaataatg acaacacacg tcctatacaa agatcatatt      660
cacgcttttc taccacttct cagtcattgt cagaaccatt tggaggtaag aaaaccaatg      720
catcattgaa aatatggccc aaatgcccta aggcggtata ccccatatcat catcacatgc      780
atctgatttg gagtcagtc attaaaagta acagccatat ctgaacaaca gccttctact      840
acctggttgg ggtgataagt cattgcctct ttaatagaaa gcccaacaga tttggtatta      900
aatacatctt ttccatcagc atcttctgca ttttctgcaa atactccagc atatttcagg      960
caactgcta gctgtttatc ttcagatata ttccaaatca tccctccctg ttcaggacac     1020
ttttctggga tattgagaag gctgttaagt cttttcattg attctacact taagacaatt     1080
cctccttcca taccacata ttcaaggctc ccagatttta tagtgtggcc tagatagaaa     1140
ggctgtgatg gatccttttt taacaaaaaa tacttttaggt tttcaatgat agcaaacgta     1200
gtggggcggtg caaggaagaa ccagttgtat tggctcttat acttacaat acgcctttga     1260
taagtataga gaccaatata actggttctt ccttgca                                1297

```

<210> 4389

<211> 3425

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (37)...(1116)

<223> similar to gill136404 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4389
ccgctgtcct cccctccagg cgggcccccg gcaggcgtgc gatctatcat gaaacggaaa      60
gaggaggttg cagacccac ggcccaccgg aggagcctcc agttcgtggg ggtcaacggc      120
gggtatgagt cgtcatccga ggactccagc acagcagaga acatctcaga caacgacagc      180
acagagaacg agggcccaga gccgagggag aggggtccga gtgtggccga agccccccag      240
ctcaggcctg cagggacggc agcggccaag accagccggc aggagtgtca gctgtctcga      300
gaatctcagc acataccac tgctgagggg gcatcaggat caaacacgga ggaggagatc      360
aggatggagc taagccctga cctcatctca gcctgcttgg ccctggaaaa gtacctggac      420
aatcccaacg ccctcacaga gcgggagctg aaagtggcct acaccacagt gctgcaggag      480
tggtgcggcc tggcctgccg cagcgacgca cccccgagc tgggtgcggcg gcacctggtc      540
acgttcgggg ccatgtctgc gcggctgctg gactacgtgg tcaacatcgc cgacagcaac      600
ggcaacacag ccctgcacta ctccgtgtct catgccaaact tccccgtggt gcagcagctg      660
ctcgacagcg gtgtctgcaa ggtggacaaa cagaaccgtg ctggctacag ccctattatg      720

```

ctcaccgccc	tggccaccct	gaagacccag	gacgacatcg	agactgtcct	tcagctcttc	780
cggcttgcca	acatcaatgc	caaagccagc	caggcaggac	agacggccct	gatgctggcc	840
gtcagccacg	ggcggttgga	cggtgtcaaa	gccctgctgg	cctgtgaggc	agatgtcaac	900
gtgcaagaag	atgacggctc	cacggccctc	atgtgcgctc	gtgagcacgg	ccacaaggag	960
atcgcggggc	tgctgctggc	cgcgccccagc	tgtgacatct	cactcacaga	tcgcgatggg	1020
agcacagctc	tgatggtggc	cttggacgca	gggcagagtg	agattgcgtc	catgctgtat	1080
tcccgcata	acatcaagt	ctcgtttgcc	ccaatgtcag	atgacgagag	ccctacatca	1140
tccctggcag	aagagtagct	gtgagggagg	cggggaccag	ccagaccggg	agcaaaccgt	1200
cccttgctcc	cgtctcctcc	ctgttcccg	tcctccctgg	cccacccac	tcacactccc	1260
caaggcccac	ggctcaaagg	caagcgagct	ctccctctgc	ttccctgggg	gagccccgac	1320
ggccacagga	ctccagctcc	aagtgggttt	tcttggctcc	cctgttcaaa	gtggccacag	1380
cgcagaccga	agcaaaattc	ttgtatacat	tggcgccagg	gctgatgctg	gggtgtgggt	1440
tttatgaaga	acattgagaa	caatcagctg	gtaattatgg	atggaggaag	aggagagga	1500
aaaaaatatt	gtatttttga	atcattgttg	caggaggggg	tgggaatctt	aggatttggt	1560
gccagatttg	aaagtcaact	gaacttgc	atcttcat	taatcctaag	tggtattacg	1620
caccagtttg	ggttcaccct	tcacccctca	catttaattg	tctgatata	aatagtgttg	1680
tgctcactgc	cccgtatgac	ggctttctta	ggggaatttt	cttctgggtg	tttcacaaga	1740
cagattctgt	ccttgctacc	cgggacagaa	aactcagctc	tttcaccctc	attcagatga	1800
agggactcag	gacaggctct	gtgacttaca	gggacccaat	caattcaca	tgagaaatta	1860
ccggccaggc	gtggtgactc	acgtctgtaa	tcccagcact	ttgggagggc	aaggcaagag	1920
cttgagcttg	agcctagacg	ttaaagacca	gcctgggcaa	cacagcaaga	cccatctcta	1980
caagaaat	aaaaactagc	caggcgtggt	ggtgcgcgcc	tgtagtccca	gctacttggg	2040
aggctgagcc	ctggaggctg	aggctacagt	gagctatgat	cacaccattg	cacttcagcc	2100
tgggcgacac	agcgagaccc	tgtctcaaga	aagaaaagaa	aaagagacaa	attacccaga	2160
aaccctctcc	ttccccacat	ggaggccttg	gcaaatgtta	atcttcttag	aaaatccttc	2220
agacctgaag	acgcaggaaa	agaatctggc	tctcagggtg	gcttctgcgt	ccccgcgcgc	2280
aggccccaga	ctatggtcac	agggcctgct	tgcttctccc	cgggactcca	gaatttctct	2340
cctcaaagga	aagaaaacag	ggcatgctgt	tggtggcaaa	acgcaggggc	ggctcccaaa	2400
aaccccatgt	gtgtacgatt	aaaagtgggc	cgtccccagg	cctcccagcg	caaacttaaa	2460
gagacagggc	tttgctgaaa	accaaactg	ggccagctgg	gctttttaac	aacctagaga	2520
ctttccggag	ctgcctggaa	cagagcctgc	gggaaacggg	gcttgccaga	gacactcaca	2580
gtttccttca	tggcctgttt	tggcccccta	agaatctcca	catcattgtc	ttcttgtgc	2640
cttttcttg	gtgagcaaca	gaaaggggag	ggttccaagc	ctctaaaaat	gtgctttgtg	2700
atcaggagt	cgctccaaac	caaatacgcg	cgctgccctt	tcgaggccag	tgagctcagc	2760
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aaagaaggca	aagcactggg	ttctctcctt	agaaaagtag	gtttcttggc	ttgatgtaga	2880
ctggcttgct	ttgatattta	gtgaagggaa	tgtacgtaaa	aacaaaatag	ggcttggctg	2940
gtcaaaggag	acaagcagga	tggatggatg	gatggatgaa	tagatagatg	gtgtttgc	3000
gtaaattgca	gagaaaacaa	aaccaaagct	gattggaaac	aattaattgt	gggtgtctga	3060
gggggaagg	cgcagctttg	ggcagctttg	agaagcggtg	caagagctct	gtgcctgtgt	3120
gtccagccct	ggagccagcc	agtgcattta	ttttaagctc	ttagaagcaa	ctccttggcc	3180
caggaatg	tgacccctga	gatgggtcca	cgcattctct	tacacgtcct	tctctccgtg	3240
ggatactgga	ctcgtgcctc	tgcgccatt	ctcttctcac	gcataatccat	gagctttaat	3300
ttcactttct	gatcacggta	cgtccataaa	gccagtatta	cacttaaatg	aagtattctt	3360
ttttgtaatc	gtttttttta	gaaggtaaac	aaatttaata	aagctaccaa	taatgaaaaa	3420
aaaaa						3425

<210> 4390

<211> 2490

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(2491)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (313)...(763)  
 <223> similar to gil065515 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4390
cgacccacgc gtccgagcgg gtctggctgg cggcagcggc gggagggagc cgagagaccc      60
gagtgcacgt gtggagaagc ggcggcacaa gcgcggcggc gggagacact cccgccccca      120
ccagactcaa gccctcactc gactctcgcg gccttcgttg ctgcacagc tccctgcccc      180
ggctaggagg cgggcttgcg gggttgagtg gcccgagcta aggggtgcgga gacccaaggg      240
cggcgactac gacggcggtg atatcggtgg taacgacggc ctgagcaggc ggggaagatg      300
aaaggtagcc ggatcgagct gggagatgtg acaccacaca atattaaaca gttgaaaaga      360
ttgaatcagg tcactcttcc agtcagctac aatgacaagt tctacaagga tgtgctggag      420
gttggcgagc tagcaaaact tgcctatttc aatgatattg ctgtaggtgc agtatgctgt      480
aggggtgatc attcacagaa tcagaagaga ctttacatca tgacactagg atgtctggca      540
ccttaccgaa ggctaggaat aggaactaaa atgttaaate atgtcttaa catctgtgaa      600
aaagatggta cttttgacaa catttatctg catgtccaga tcagcaatga gtcggcaatt      660
gacttctaca ggaagtttgg ctttgagatt attgagacaa agaagaacta ctataagagg      720
atagagcccg cagatgctca tgtgctgcag aaaaacctca aagttccttc tggtcagaat      780
gcagatgtgc aaaagacaga caactgaaca aattacaaat gaactttctt gcacttgctt      840
gtcgccaaat aaaagagagg ccatttgatt cctccccac cccaacactt ttcttttaaa      900
gcttttctcc ctcttgttcc ttgtttttct ttcttctctt ccttttctct gagagtttta      960
atactttcaa ggacttttaa aaaataatca tgtttgaatt gttttctctt atttttgtga     1020
ggtggtttga aggaaggaca aggtagatct gtttagtttt gcagttgaag ttagatggtc     1080
ctaaacattt aattgtcaaa taatttcaaa tttaatgtcc tgctttcaca ttgaagggca     1140
gagcctacaa aacattgtat atttcaaaag acaaaaagaa gcagcagcag tatcttgttc     1200
tctaattcat agacaagttg agtgtgtttg tggtagcttt ggttttttaa cactttggga     1260
tactaatccc tagacattgc cttcactcca ccttttagtcc ttctgagcac tctctcgga     1320
gttgaacat tgttatcctt gtaagaaata ctaagcttat gttgattttt aagtaattat     1380
atcttctctt cttgctgggt ggtggggcag tttggtttag tgttatactt tggctctaagt     1440
atttgagtta aactgctttt ttgctaata gttgggtggt tgttagcagg tttgtttttc     1500
ctgctgttga ttgttactag tggcattaac ttttagaatt tgggctggtg agattaattt     1560
tttttaatat ccagctaga gatatggcct ttaactgacc taaagagggt tgttgtgatt     1620
taattttttc cgttcccttt ttcttcagta aaccaacaa tagtctaacc ttaaaaattg     1680
agttgatgtc cttataggtc actaccctta aataaacctg aagcagggtg tttctcttgg     1740
acatactaaa aaatacctaa aaggaagctt agatgggctg tgacacaaaa aattcaatta     1800
ctgtcatcta atgccagctg ttaaaagtgt ggccactgag catttgattt tataggaaaa     1860
aatagttatt ttgagaataa catagctgtg ctattgcaca tctgttgag gacatcccag     1920
atttgcttat actcagtgcc tgtgatattg agtttaagg tttgaggcag gggtaattat     1980
taaacatatt gcttctatcc ttggaaaaat agaagtgtaa aatgttaata atacaaatgt     2040
cactgtgacc tcctccactg agaggactgg tttatgccag atcattttcc ggcacacacg     2100
gagtggcttt gacagattga taactttgta agatgggaga catctgaaat attcatgttt     2160
tccttttgta gtcccatctc cactatttag aaatgttctc agacttttaa ataatgcaca     2220
gggcttgagc tttctgtcat ttgactttta aaggaagttt cattcatatt tatcctctta     2280
tgtaaaattg cgttataaag tctcatttcc aaatatgtta aatgacaaaa ttattttata     2340
aaatgtttat gcacacttta taaccttaag tttttatttg agaatgtgaa agtacaaagt     2400
gccagtagga cttcaacaat cttgagtgcc caaggaataa tacngggaaa agaagacagt     2460
tgatgaatga gtttataggg ttctaattct                                     2490

```

<210> 4391  
 <211> 2238  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (115)...(1300)  
 <223> similar to gi3947603 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4391

ctgggacgct	ggtgtcgcg	ggcggggcg	cgggcggcg	cgctgcggg	accgggtgcg	60
ggaggcccc	ccgcgcggc	ccggctggg	ggtgacggt	gcggccggcg	gcacctggg	120
caggggcagc	cgcgcgagc	tctggcggg	tgtggcagc	gcgcggacg	cggcttccgc	180
ccctcccggg	tggtggtgg	ggccaaaacc	accgggtac	agttcgagca	gcagcgggtac	240
cgttacgcg	agctctcgga	ggaggacctg	aagcagctgc	ttgcattgaa	aggctctagt	300
tacagtggac	ttcttgaac	acatcatatt	cacaccaaaa	atgtagaaca	tattatagat	360
agtttacgga	atgagggaat	tgagggttcg	ctagtaaaga	ggagagaata	tgatgaagag	420
actgttcgat	gggcagatgc	tgcatagct	gcaggagggt	atggcacaat	gctgctggca	480
gcgagtaaag	tcttgacag	acttaaacca	ggtatagggg	taaactactga	tccagaacgg	540
tctgaggggc	atttatgct	gcccgttcga	tatacacatt	cctttccaga	agccttacag	600
aagttctatc	gtggtaggt	cagggtggtg	tggaggcaga	gaatcagggt	ataccttgaa	660
gggactggca	taaaccctgt	acctgtggac	cttcacgagc	agcagctaag	cttgaatcag	720
cacaatagag	cccttaacat	tgaagagct	catgatgaaa	ggtctgaggc	ttcaggaccc	780
caacttctgc	cagtgaagc	actaaatgaa	gtcttcattg	gggagagtct	gtcatccagg	840
gcttctact	atgagatttc	agttgatgat	ggtccatggg	aaaaacagaa	gagttcaggg	900
ctcaatttgt	gtactggaac	aggatcaaag	gcctggtcat	tcaatattaa	cagggttgca	960
actcaggctg	tagaagatgt	tttaaattat	gcaaaacgac	aaggaaattt	gagtcttcca	1020
ttgaacagag	aattggtaga	gaaagtaaca	aatgaatata	atgaatcact	gctctacagt	1080
ccggaagaac	caaaaatact	tttcagtatt	cgagaaccaa	tagcaaatag	agttttctca	1140
agcagtcgtc	agcgttggtt	ctcctcaaag	gtttgtgttc	gttctcgttg	ttgggatgcc	1200
tgtatggttg	tggatggagg	aacttctttt	gagtttaatt	atggtgcaat	tgcttcgatg	1260
atgatcaata	aagaagatga	gcttcgaact	gtgcttcttg	aacagtgaag	gatttcctca	1320
tgacaaat	tgattactgg	cgagaatatt	tttacttcag	aaacagacta	ccagtcgtaa	1380
agtacattt	tttggttatt	gttgagactg	cttgcccgtg	ggctcagaag	tgagatttgc	1440
attattcttc	tgttggtatc	tgatagaaaa	aaagacattc	actgtataag	aaaatggatg	1500
gactgaacca	attagaattg	ataccagtga	aatttttata	ttgcttaca	ttggtaacca	1560
agagtgtga	taccttttta	aatttagagg	ggcaggctta	aataaaggac	taaataattta	1620
ggatttgaaa	cttaactgta	taagtgtgtt	ttccttccct	ttcctcctaa	ttgggggatt	1680
gtcagaactg	aacacatatt	atttgattag	tgcatatttt	ttatagtacc	tgaaaaccaa	1740
gattttgaaa	aaattttcaa	gacagagaat	tttgataaat	cctgacattg	acctaattga	1800
cataggtaaa	tatgtttgta	tatgtgctaa	taattttcta	atttcggaac	acgatgatgt	1860
tatgactatt	gatttaaaaa	tttcaataaa	taatttttga	aattatagat	gaatgctttc	1920
atttgagttt	cattctgtaa	ttcagcagtt	ctgggtgaaa	tacagatagc	aaaacaaatc	1980
atgatgctgt	tacaaatgta	ttagttatcc	aataagtgtt	ttaagtcaat	ttttttaaaa	2040
tgatatgagt	cttacagggt	tcttccatct	ttaaaatgct	caaacatgga	ttcagggact	2100
aaaaggatga	actgattaga	cattttctat	taggagtttg	gtaaaatatt	gtacaactat	2160
cttcacctgt	gttaggcagt	attatcagga	cagggaatggg	attctttaat	aaatatgtaa	2220
aacccagtaa	aaaaaaaa					2238

<210> 4392  
 <211> 1014  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1017)...(267)  
 <223> similar to gil438532 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4392

tttttttttca	ggggtaatgt	ttcatgaaat	ctttaatgaa	atttggggag	aggggacaaa	60
acagaagggga	ggggcactgg	ggacaggctt	gggggcaagg	gaggtggaca	cgggggcagg	120
gcatgggcag	ggggctctcc	tcttccccctg	aacaaaccct	ccccagtc	tcccactgac	180
ggggggagg	aggtggggag	gtggagccat	aaatacgtcc	agagtttcaa	agaggtgagg	240
ggcgaagagc	tggccagggc	tctcagagag	ggggcagggg	caggcccggg	ccacccttgt	300
ctggggggccc	tggctccttg	ggcggccgtg	ggggccctgg	ggggccccct	ggcttgcgac	360
cgtgcttgcg	gaagtagcgg	tagcgtgga	cgtaggcccg	caccaggttg	ctcaccttca	420
ctgggttgat	ttccccactt	ttgctgtggc	agatcttggtg	gacggccttc	ctcaggatgt	480
ccttgtaactc	ctccttggtg	atgtccttct	tctgatagta	tggcttgatg	gccagcttca	540
cctcctccac	cgcccgctcc	tgcgtgtgca	gcttcttcag	atacttatct	gtgtccccac	600
ggccctcaga	gctgtgctg	ccctctctct	tgtcagacgt	ggcagccagc	ccggtggggg	660
tggggggggt	cgaaccgcag	ccccccagag	ggaggctgcc	aggaagcagg	tagctggagg	720
ggccaggggg	cagacccaaa	gaggtgggca	caggagctgg	ggcatcccc	agacttgagg	780
gtggctttct	gtggctgagg	atctggttgg	tggcctggat	cagctcctgg	gccttcgctc	840
ggctcgccag	gttggttct	tccatcttga	agagaagtgc	agtcaggcc	aggacgccgc	900
tgggtggtgca	gtccacacca	gctggcagat	tccagggc	gggcgggggc	agcgtgggca	960
gctgggagac	acgggaagct	ggcccgtcct	ccgccccgga	gtcaccggct	gtgg	1014

<210> 4393  
 <211> 1187  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (829)...(314)  
 <223> similar to gi671865 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4393

gcaaaatgac	aacattttaat	gggatgataa	ggaaataaga	cttgtcaaga	aaccatagcc	60
cactgcagac	tgttcacgat	gtcagatggt	tcagatgttt	tttccagggt	tgatacagaa	120
gaatcagttt	gttaaaaagaa	atgctttctcc	atcagagact	tttcttttct	tcaactattg	180
tccctatect	tattcagggt	ttcattttct	tactagatgt	gttttcaatg	gtttatgacg	240
taataaaaatt	tctttacttc	ttccagtaat	tgcttttgtc	tcactcggaa	actggaacta	300
ctgtccgatg	ttggtaaaaa	gctagggcat	attcttcttt	ttcgtagtaa	tcgtagacca	360
tgctggggc	tggctgaatg	ttgaacacaa	ggttgctctg	ctcaacagaa	aaagtgaaac	420
tgtctgctcg	acaaaaaaca	ttttccaagt	agaaaagaac	atggtcattc	ttgacttcag	480
tcttcacac	ttggcccttg	ttttcaagct	cttcaatgga	tgacatgggt	ggagtaaattc	540
ctgatagcat	ttttacatct	ataaccacca	tactggattt	attgcgaatt	ccagtgtatt	600
tgagggtcac	tgtgaggtca	aaagcagtcg	aagagttagt	ctttactatt	tccaaggaaa	660
gagaaaatcc	agatgccttc	ttaggtagga	gaacattgta	cttaaggggtg	gcctggataa	720
atgtacaacc	gtgtccttcc	acatctactg	tgtattgtcc	aggtgcctgt	gttacttctg	780
aacgttggac	cagtaggcgg	ttatgaccgt	taacctggaa	aatctcactg	gaccttcac	840
tgctggagga	ctgtgggttt	taggtgtcca	agaagaaagc	tcagatctgc	cgacggcagg	900
tgcttactt	gggatttact	atccgacagg	ggctcggagg	actgtgggtt	ttaggtgtcc	960
aagaagaaag	ctcagatctt	ccagcagaag	gtaccttact	tgggatttac	tatccgacag	1020
gggtctggag	gactgtgggt	attaggtgtc	caagaagaaa	gctcagatct	gccgacggca	1080
ggtaccttac	ttgggatttt	ctatacgaca	gggtccgaa	cgcagcccg	gatcagaaag	1140
aaagcaggtc	gtttgcaatc	taccaggacc	taagggcaga	acggcag		1187

<210> 4394

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (50)...(765)

<223> similar to gi3327194 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4394

cctggctcgac	ctacgcgtcc	gaagggagga	ggcagacggc	aacaagatgg	aggaagagga	60
ggagcccggc	cagggcaaag	gtgacagcat	tgaggagatt	ttagctgact	cagaggacga	120
ggaggacaat	gaggaggagg	aaagaagccg	aggcaaggag	cagcggaaagc	tggcaccgaca	180
gaggagccgg	gcatggctga	aagagggcgg	tggggacgag	cccctcaact	tcctggatcc	240
caaggtggcc	caacgagtc	tggccacgca	gccagggcca	ggccggggca	ggaagaagga	300
ccacagcttc	aaggtgagcg	ccgatggccg	gctgatcata	agggaggagg	cagacggcaa	360
caagatggag	gaagaggaag	gtgccaaagg	cgaagatgaa	gagatggctg	acccaatgga	420
agatgtgatc	atcaggaata	aaaagcacca	gaagctcaag	caccagaaag	aggctgagga	480
ggaggagctg	gagatacccc	ctcagtacca	agctggaggc	tctggcattc	atcgccctgt	540
ggccaagaag	gctatggcctg	gggctgaata	caaggccaag	aaagcaaaag	gtgatgtgaa	600
gaagaaaaggc	cggccggatc	cctatgccta	catccccctc	aacagaagca	agctcaaccg	660
caggaagaag	atgaagctgc	agggacagtt	caaaggcctg	gtgaaggctg	cccagcgagg	720
ttcccagggtg	ggacacaaaa	accgcagaaa	ggatcgctga	ccctgaggcc	cagggccccct	780
gggctgccct	gtgggtccagt	ctgaggccct	ttcagcccc	aggctgcctt	gccaccagct	840
ccaggtgtc	aagattcttg	cagagcctgg	actcaggatg	acttggaaact	agggcttggc	900
tctcagaagt	cctggatttt	ggaaactcca	aatggaatca	cccttcagag	acatccctgg	960
tgctggaga	tgggaatgtg	gcctcagtgc	ctctgagtag	gtgccatgag	gcacctttgc	1020



```

tttctgcccc gagtggccat gaggaccaga acagatgatc tccatttccg ccagctgcct 1080
gtagccacgt ggcacccctg ctgtgggtctg ggtgaaa 1117

```

```

<210> 4395
<211> 1162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (544)...(758)
<223> similar to gi2104558 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4395
tcagatgtga ccttcctggt ggaaggaaa gctgttttatg cacataaagt cctgctggtg 60
acagcttcta acaggtaggc agcctcagat aacaaactcc cagcccaggg gcacagaagc 120
accttgtttc agattccagg tgacagagag tgactcgctg gggctgtacc ctgcagcctc 180
tgccccctag actgcagtca cattgcagca gagccccact cgccccacag cgggatgaga 240
cgggggtggac ccagggcagc aggaaagggg ggctctgagg tgggtgttctt tctggcctag 300
ttattgcttt tattattaga aaacataaat atcctggaat gaagagtcag cattctggcc 360
acaggcgtca ggtcgcttgt aggggtgggtg gtggggacag aattgggctc agctcagatg 420
tcttcctaag atggtgtaaa atggcacttg ctgaaaatta ttttaggagc acagcagtaa 480
tttttaaaat gttccgtctt gtggtagccg gtcaggtgac agatgggtgcc atcgccacac 540
agtgggtgaag taaaagggttc aaaacccacc ttgctttgtc tcctttgtc caggttcaag 600
acactaatga ccaataaatc agaacaggat ggggacagca gcaagaccat cgagatcagc 660
gacatgaagt accacatttt tcagatgatg atgcagtatc tgtactacgg aggaacagaa 720
tccatggaga tccccaccac tgacatcctg gaggtgagac tcgggagagg gggagggggc 780
ctgggccagg gtgcccagcg gctcggtctc ccattcacc ccttcagagg gaagggtggct 840
cttcctctcc atctgacagg aagagcagtt cccagaaaga ggaactgtgc acaccactga 900
gccagcctc agtgcgtgtc ccagcgggga tgggtaggcc caggagtatc agaaggtagt 960
ggggcctgag ggtggaggca gcagggcaca cggcactcgg gagctttctg ttcgggtgctg 1020
tctgggcac tgggtctggc atgggtcccc aagacctgct ctgcctccct accagctgct 1080
gtcagctgcc agcctgttcc agctggatgc cctgcagagg cactgcgaga tcctgtgctc 1140
ccagaccctc agcatggaga gt 1162

```

```

<210> 4396
<211> 1833
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1451)...(941)
<223> similar to gi5824472 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4396
tttttttttt ttttctgtct gtgggagaaa aactatctcc atttattttg tttcatatac      60
atccatagtt gaattttaat acaaaagaaa aaaattagaa tctgacaaat gtttaciaaac      120
aagatacctt caaatagatt ttactcactt tagcctgggtg cagagtaatt gacaaattgt      180
actgttatat tcaaggcaac agagtctgta gtccaggacc acttagccca acctttatgc      240
aagcttaatt ttaatctacc atgaacaata aactcattgt tgattcccag ttgtgtgtgt      300
gtgcacatgt gtacatagca gtccttttca tagaaagaaa agacatctag aggtcgtctt      360
gtacttttac ctacaggaat catgataaga tacagatgat tatatgtaac cggggctgga      420
ttttataaga aaaaatactt agctgacaaa tgagggcagc aataaaaaag cgtctttttt      480
gcaacaataa ataaatacag tcaaaagttt tctgtgagac tctaaaccag cttcttcact      540
gaagagcaga cgtggcattt ccatggagtt acacttgacc ccatagtatc tttttttctt      600
gctttctttt tctttttttt tcaataaaca aagttttctc gcttctgccca caatagtaaa      660
accatctgat cttgacaaga taatgggtgc gttgactttg cttttttctt gtccgttgga      720
caaaattggc caagaatata attggactgt tatgaccaat aaaaacgaag tttagggtcaa      780
gtcttgtcag gatagcctga ctaaaaacat ctggctcctt aatttaaaat agttcagaca      840
accagattct tgctgtgttt tatgttaggt taacacgctg aactttaaga agctgtagac      900
tgcagtttgt tgttatgaga cctgctagct ttgaagcctt tcaatttctg tacaagaat      960
gattcgagaa cttctgcaca ctggtaaaat ggggagtcac ttggattgta gtaacgacag     1020
ttatcaaaaa ttttggatcat atctgccaca aattccgtca gcttttcata atatcgtctt     1080
tgtactcttt cttccatggt ggcaagggtc ataggttcct taataacacc ataataatct     1140
gggtgcatcat tagggtctac tggttcaagg aaaggccagg ccatcttatg ggccgtgaag     1200
gaacggagca ccctcttcaa cccctcataa tccttctctg ttagtggcgt gagcactgtc     1260
atggcatcct ctgttgactg gcactgtgga cagacatact catcaatgag ctctgcctca     1320
ctttgcaaga tgccaacgca gcgccatgg taccaattct gacaccgatc acagccaata     1380
taaaatttag attcatcata aggcgtttta cagatacagt aaagctttgt gtccttctta     1440
gtttcctttg aggtagtaga gatcattttc tttttcttgg actttgagct ggagtctttt     1500
tcctcttccc gcttctctt ctgggaagca gcaggtaagg tgggcgtgga cagaaggcct     1560
gtgtgttgca cagcagggtg agggggaggt gaagggtggg gggctggagg ggctggagga     1620
gctgggtgtca ctggggggca ggggtgcagct actgctgtgg cctgagccaa ctgcatcagg     1680
tctttttctt tcttaatttt caggctcttc ttcagctctt cctgttgtca attaaagaca     1740
atacaagact atcattagag tcatgtaa atgtgtgatctg gccagaagat ggtacacccc     1800
acgcgtccgc ccacgcgtcc gccacgcgt ccg                                     1833

```

<210> 4397

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(733)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (644)...(467)

<223> similar to gi30099 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4397
aggattcaag cgcaggcctg cccaggcttt ttgtgttctc ctggctgcga ggaggcatcc 60
agggaccagg tgccaccctt ctgagacacc tgaatccca ggcccagag gatgaaggcg 120
ggattacctg gagcgtgtct gaatgctgga ggaagaaggg cacctgggag atgaagctgt 180
caggatgggc cgcaccccat ttctgcctc gtttcagttc aactttccaa cagacctccc 240
tggctcgtct tgctcttctc taatggacaa acaaacaggc tcaaagaggg ggggtgactt 300
gccaagggtc actcagcttg gatgctatgg aacagggacg tccactgtcc cagtctgttt 360
atgggaagcc gctctgcaac tgtcctgacc caccacatgc cccaccgctg tttctctttn 420
gcctgacccc ttgttccctg gaccagggtg gcacagctcc aggtctcttg gcccttcccg 480
agggcaggca cctgtgactg tgtcccaaa gacctgagt gctgaggggg cccacagag 540
cttggacttc ctggaggaca aggaggggtc ttgcagtcac ccccatcacg cccgccccag 600
ggctccccct gagcttccat gccagctgga ctgaggacc ctgtgatcac actggcccc 660
ccaccggatg acccaggata atccatctcc ctgattgaag gacggcttga tatcaaact 720
tatttccatc tg 732

```

<210> 4398

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1351)...(808)

<223> similar to gi4894378 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4398
tttttttttt ttcttaaat gaggagattt aatgtcttta cattatacat ttcaaaggaa 60
caaaacaccc tttatgaatt ttctcatgga gatagcattt acatcacaga gctgttgatga 120
aaataaaaata agaatgtaca gcacacctgg aatataaaaa acatcccaat aacttacttg 180
gagccccgca gccatccatc cctcacatat aaatacaatg aaccagatga agatccgtgt 240
ccgtgtccat gacagcaatc cattcagaag atcaaagata aatagtctaa tacaccaatt 300
tctgacattt gcttagcact gcaggactca tgaagagctg ccactcatat tatctcattt 360
aatccctaca acaaaaacca aggtcaagg aggtgagtc ttgcagaaag aacagttaac 420
agactccaca ggtttgcaaa acagccatat gacagagggc tgaggaagcc tatgatagta 480
ggctgaggaa gcacagctga actgcagcta tgagactgtt ctagcagcac gactgtggcc 540
tgaaggcaca ttcttcctcc aggtgaaggca agggagctct catggtgact gggccccctc 600
tgggcaatgg caatgccact ggagaaacag ctggaaacca tatgctacag ggatgtcttt 660
tatttgtata ttgatatttc ttcacagaaa attagcaag tggctattct gtcctggatt 720
aatccatttg gacttggtcc cattggtgtc cgtggcagct tctgctttgt ctgtaggcac 780
tggggcctta tcttgtgatg gttatcactt gagggctctg ctaaggtttg agaaaccaat 840
gccaacacag gtcacagca ctttatcccc acccttgagt tcttcaccac atggcttggt 900
ttcaatttta aacataatct ggaaaaagct cttcaaagtc cgcaaaaatt ctatcgtgta 960
gggagagaga gggcctagca ggactttgga aacatcctgc tgtccaaggg tcatgagtag 1020
tagcgccagg ctttggttg tgcagtatac gcacccacc ctgtagattt cctccagcag 1080
cagccgggca cagttcctgc caaggtcctc tggaaagtact gctgctccct ggcctgggg 1140
gttggaggcc agttcagcac tgagggaagg gccactgggt gtctcagcaa ccagtgacaa 1200

```

cccaaagccc	ggagacttcc	cagagttgac	tcctttcatg	tgatctgtgt	aaatatagat	1260
atcaggtatg	aacttggtga	ggatgctcct	tcgagaatcc	acaatccggt	tcgccatctg	1320
aggtagacaca	cgtacagagt	acctgcagcc	tggagttaag	gatgtcattc	tcgatacatc	1380
tctcttcaca	tatgcacatt	ttgttcttgc	tcttcaatga	gaccacacac	tctataaggg	1440
caagggcttt	ac					1452

<210> 4399

<211> 957

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (319)...(547)

<223> similar to gi5901802 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4399

atggcgccg	cctggccgtc	tggtccgtct	gctccggagg	ccgtgacggc	cagactcggt	60
ggtgtcctgt	ggttcgtctc	agtcactaca	ggaccctggg	gggctgttgc	cacctccgcc	120
gggggcgagg	agtcgcttaa	gtgcgaggac	ctcaaagtgg	gacaaatatat	ttgtaaagat	180
ccaaaaataa	atgacgtac	gcaagaacca	gttaactgta	caaactacac	agctcatgtt	240
tcctgttttc	cagcacccaa	cataacttgt	aaggattcca	gtggcaatga	aacacatttt	300
actgggaacg	aagttggttt	tttcaagccc	atatcttgcc	gaaatgtaaa	tggtatttcc	360
tacaaagtgg	cagtcgcatt	gtctcttttt	cttggatggg	tgggagcaga	tcgattttac	420
cttgataacc	ctgctttggg	tttgttaaag	ttttgcactg	tagggttttg	tggaattggg	480
agcctaattg	atttcattct	tatttcaatg	cagattgttg	gaccttcaga	tggaagtagt	540
tacattatag	attactatgg	aaccagactt	acaagactga	gtattactaa	tgaaacattt	600
agaaaaacgc	aattatatcc	ataaatattt	tttaaaagaa	acagatttga	gcctccttga	660
ttttaataga	gaacttctag	tgtatggatt	ttaagatttc	tctttttcat	tcataatacca	720
ttttatgagt	tctgtataat	tttttgtggg	ttttgttttg	ttgagttaaa	gtatattatt	780
gtgagattta	tttaatagga	cttcctttga	aagctgtata	atagtgtttc	tcgggcttct	840
gtctctatga	gagatagctt	attactctga	tactctttaa	tcttttacia	aggcaagttg	900
ccacttgtca	tttttgtttc	tgaaaaataa	aagtataact	tattcacaaa	aaaaaaa	957

<210> 4400

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(337)

<223> similar to gi5824524 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4400
ctcatccttc aaagaaacag ctgtggcttc aagttgttgg tcggtgctga aacagaaaag 60
acaacagatg aagatcccag atggattttt tgcccatttt tatgccattt gtgaacacat 120
cagtcctgtc cttagcctggg gctttttggg tcctagaaat tctctgtatg atttatgttg 180
cttttttaag aatcaagttc ttttatttct caaagacatt tttgactttg agaaggtgcg 240
ctattcaagt acagagactt tagctgaaga cctcatgcag ttactcattc gccgcactga 300
gcttttaatg gcctatcttg aagcagatgc cctgaggcat acaagtagtt gtctaagcag 360
tcatggcatg gttatgtcca ctgggtactt ggaagccaaa gtacaataag taccataaga 420
atcatacaat ttgagtgtgc tatgaaatat ttttaaggtaa ctattgattt tgtaacatat 480
attacaaagt taacagaatt gatgcagtgt gattcaggga ggaaaaaaaa atctactaaa 540
aaatgagcaa ctgtactgta tttatacaga agttctgtca ttgaattcct gtgtagtgtg 600
gtcatagtgg ctttttgcct tcattaggtg ataattgaag tcatgaaatg tatattttac 660
agaaatatcg cttgaattga agccaatatt tgggagttaa ttgggtttgtc ttcttgaagc 720
tgtcattctc aaaagctctg tttttatgct ttgcaccttt aaaatgtaca ctttagccaa 780
ggctcttgtg gccacacat gcaagaatat attacttcta atgtcaatat atttaacttt 840
gcctagaaac atatttttaa ttataaagat attcatttgt ttaatcaagt ttaggcagta 900
atgatgttta atatgtactg catacattat tgcttgtg 938

```

<210> 4401

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(556)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (8)...(341)

<223> similar to gil247473 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4401
ttttagtcac atcacagaag catttcatca ccagcctgag tggggaaatc ccaatcgtga 60
cagaggggtcc tgggacacagc ctgttgatac tggagtttca gaagcgagcc taggtgatgg 120
tgagcccccac atcccatctc tgctgtctat gtctacaagg aaccacatgg atatcaccat 180
tccaccctta cctccagtag ctccagaagt cttgagagtt gctgaacaca gacaccggag 240
gggtcttatg taccatata tctacatgt cctcactaag ggtgaaatta agatccccgt 300
atgtattgag gatgagtgtg acatggagct gccctcagct gctctcttat tccggctcagc 360
tcgtcaatat gtatatggag ttctntttag tctggcagag acacagagga aaatggaacg 420
cttggccatg cgacggcggc tgccgtgtgga aggttaagtgt agttctagct atgacaattc 480
tctcagcact tgatacagca gatatgtctg tccaggcaca ttgggtacct atggctatgg 540
agtagtcttt aagaa 555

```

<210> 4402  
 <211> 830  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (633)...(466)  
 <223> similar to gi3114594 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4402

tttttttttt	ttaaatattt	gatattttta	ttggaaatgt	ttttgttagt	ttgaggggaa	60
gggtatgaag	acagatctca	aggtaaagtc	agagagggct	gtcatcagta	tgctggggag	120
tttagggaca	ggaggcattg	gtaggggatt	agatgtagca	gcagtcaggc	tgggatcaag	180
atgcctgggg	ggacatcttg	atcttggcct	ttcagggcaa	gtgggaggct	agaaaggtgg	240
cctaggaaaa	gaaacaacaa	tccttcaggt	aaagggtaat	agacttggga	tgtgaaggcg	300
ttatgctgaa	aggttctgtc	acgaggggat	cagaggacag	tggggaaatt	gggtgggtta	360
tctagcctgt	actgtctgca	ggctctgaaa	tttgatgctg	tcatagtctt	tgcatgtggg	420
cggttggaat	gattctgggg	gcagaagctc	agagccctt	agtaggaatg	gaggcgcccc	480
ttctgctgcc	actgctcagc	cccctccact	gcattgacgaa	gggtggagga	aattcccagc	540
aacatatggc	ccaggccttg	cagcagtgtg	gaggtccaac	gaaggagctc	cctgaatggc	600
agagacaaga	ggaaatcaga	tgatttggaa	aacttgggag	gaagccatca	agctgggaga	660
tgaggacttt	ccacaagcaa	gagctaacta	ggggtagggtg	ggtgcaagag	gacgaattat	720
ggggactatc	caactgtagg	ggatggggca	gtatgacatg	ttgatttctg	acctgagtac	780
tttctttggg	ccaagtcctt	gaaagtcaca	actcatagag	tagagcccg		830

<210> 4403  
 <211> 2223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (205)...(802)  
 <223> similar to gi57351 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4403

ctgacctcat	ggcgtagagc	ctagcaacag	cgcaggctcc	cagccgagtc	cgttatggcc	60
gctgccgtcc	cgaagaggat	gagggggcca	gcacaagcga	aactgctgcc	cgggtcggcc	120
atccaagccc	ttgtgggggt	ggcgcgcccg	ctgggtcttg	cgctcctgct	tgtgtccgcc	180
gctctatcca	gtgttgtatc	acggactgat	tcaccgagcc	caaccgtact	caactcacat	240
atttctaccc	caaagtgtgaa	tgctttaaca	catgaaaacc	aaaccaaacc	ttctatttcc	300

caaatacagca	ccaccctccc	tcccacgacg	agtaccaaga	aaagtggagg	agcatctgtg	360
gtccctcatc	cctcgcctac	tctctgtct	caagaggaag	ctgataacaa	tgaagatcct	420
agtatagagg	aggaggatct	tctcatgctg	aacagttctc	catccacagc	caaagacact	480
ctagacaatg	gcgattatgg	agaaccagac	tatgactgga	ccacggggcc	cagggacgac	540
gacgagtctg	atgacacctt	ggaagaaaac	aggggttaca	tggaaattga	acagtcagtg	600
aaatctttta	agatgccatc	ctcaaata	gaagaggaag	acagccattt	cttttttcat	660
cttattat	ttgctttttg	cattgctgtt	gtttacatta	catatcacia	caaaaggaag	720
at	ttgttcaaag	caggaaatgg	cgtgatggcc	tttgttccaa	aacagtggaa	780
taccatcgcc	tagatcagaa	tgtaaatgag	gcaatgcctt	ctttgaagat	taccaatgat	840
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tatatgat	tgtgcaa	tttgccatag	gcaattggta	cttaa	aggtagtct	960
ctcttttggc	ttgggtgctt	ggaaat	tgtcacaa	gagtata	ttttttatct	1020
gtacttttag	agctgagttt	aatcaggtgt	ccaaaatgtg	agttaa	taccttat	1080
ttacactgtt	agtttttatt	gttttagatt	tattatgctt	cttctggaag	tattagt	1140
gctactttta	aaagatccca	aacttgtaac	taaattctga	catatctgtt	actgctgact	1200
cacattcatt	ctccgccatt	caaatactat	tttttatcca	catttttttt	tgttcccaa	1260
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<210> 4404

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (928)...(156)

<223> similar to gi3170887 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4404

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cattt	gtgat	tgtcttgagg	cagagttgga	gtcacagta	actgccagtt	gaatccaaat	180
aacatctgat	tagtctcttg	gctcctagca	atctcttcta	taatgcagtg	ttgttgccag		240

accaa	atgga	gcttc	cgata	ccgct	cacga	gataa	atgaa	ggggg	ttgcc	cctct	tcagg	300
ccagg	gtctg	tttct	ccata	ttcat	ccaag	taagg	agctg	gatag	gcaca	gcctc	tggt	360
ttac	cttcaa	ccagg	accac	tggc	cattct	ctgat	tttta	ggaaa	atgca	gactc	ccggct	420
ccac	agtga	gtgc	gtgaaa	aatg	caagct	ccaac	ctctt	cccc	gttcac	aattt	cctgg	480
cagc	aaatgt	tctg	agaaca	tagt	atagcc	ccac	agaaaa	ggc	agaggac	aggat	gcttt	540
cgct	catcat	ctgc	agaccg	tggg	cacctg	aaat	gagaag	cttg	attcag	gagg	cagcta	600
tagt	catcag	gaag	ctctat	caa	actattt	ctttt	tctag	ggt	acctgac	cacgg	tggtt	660
tttt	gcttca	aac	agtttag	taag	gcagga	tctg	cacacc	ac	ctctggag	caagg	gcctt	720
acag	tatccc	aat	attcctg	gaag	agcagg	aaca	aatttg	tagg	taaaga	taga	tagcta	780
cag	agtgcac	tgt	actctcc	ttct	gcagaa	ttgg	tatgca	gtt	cctcagg	cgg	agttacc	840
cca	agtaaat	agt	ggaaaaa	caat	gcagca	cagc	gaagat	aagg	gggtgat	gcc	attcttc	900
agt	gagaccc	acaa	atacca	gcc	ag							925

<210> 4405

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (615)...(69)

<223> similar to gi4836403 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4405

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gagag	gacag	cccat	ggtag	cgga	agaaat	tctg	ggcggag	agc	actgtac	ttg	gggtcct	180
tctct	cgag	ctgg	cggtag	ggat	cgggac	cctg	gtggct	gcct	ggtacc	tcccc	accca	240
ggc	ctcgctc	ctt	ctccacg	gttt	gcagg	ccc	acatggc	agct	gtggtg	cggg	gttcca	300
gcc	agcgggc	g	ttgacagt	gcc	agcgtaa	ggc	tcaggaa	cag	caggtaa	agct	ggctgg	360
cct	cccagaa	tgt	gagctga	gccc	aagcat	gct	gtgaagc	caag	atgcag	aggt	tgatga	420
agg	cacagcc	cat	ggagatg	tgga	agttaga	aggg	gaagag	ttt	gctctgc	act	agtccga	480
aggt	atgtcg	ggga	aggctt	cgg	aaaagca	gga	agcctga	gac	gaaggtc	accc	acattt	540
gcat	gcccc	ggc	acctgac	aag	accagta	gat	ggaccat	ctta	atcagg	cct	cctaggt	600
tccc	gccttc	ctcc	atcttg	cag	tccgtta	gga	accggga	cct	caatccg	cag	cacccgg	660
att	ccgagaa	cag	aggcgtc	ggg	gccaat	ggg	ctgaatc	tggt	acctca	ctcc	acgcc	720
ccc	gggtgga	cag	cgaccct	cct	cggccgc	gtc	ccctcgt	ggg	tttcccc	tcgt	gcc	777

<210> 4406

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature



<222> (17)...(1160)

<223> similar to gi5832784 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4406

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cgagaacgtc aagtacgtgc agcaggagaa cttctggatc gggcccagct cggaggccct    180
catccacctg ggcgccaagt ttctgccttg catgcgccag gaccgcaggt tgcacagctt    240
cattcgtctg gcgcgcgagc gcgagaagca ctccgcctgc tgcgtgcgca acgacaggtc    300
gggctgtgtg cagacctcgg aggaggagtg ctctgccacg ctggcagtggt ggggtgaagtg    360
gcccattccat cccagcgccc cagagcttgc gggccacaag agacagtttg gctctgtctg    420
ccaccaggat cccagggtgt gtgatgagcc ctctccgaa gacctcatg agtggccaga    480
agacatcacc aagtggccga tctgcaccaa aaacagcgct gggaaccaca ccaaccatcc    540
ccacatggac tgtgtcatca caggacggcc ctgctgcatt ggcaccaagg gcagggtgtga    600
gatcacctcc cgggagtact gtgacttcat gaggggctac ttccatgagg aggccacgct    660
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tgaacccctc gtactgccgg gcatttatta tactacttcc tgtcataacc ttctaacttg   1560
tttcttgacg accacctcat gtggccaata aatggactgg gagcgtttta gctgccatta   1620
acttgaaaaa aaaaaa                                     1635
```

<210> 4407

<211> 6018

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(4029)

<223> similar to gi5912034 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4407

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gtcaaatgaa	gcgcaacaga	ggggaagaaa	tagattttga	gacacctggg	tccattcttg	180
tcaacaccaa	cctccgtgcc	ctgatcaact	ctcggaacct	ccatgcctta	ccatcacact	240
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<210> 4408

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (431)...(134)

<223> similar to gi1872200 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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aaccctatct taactaaaaa tacaaaaaaa ttagccgggt gtggtgtcac gcgcctgtaa 300
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gaaaaaaaaa aaaaagagct gcttcacata taaatgtcta tagctagtag cctggccctt 480
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agaatgacct tcatagtttt taataaagaa tattatttac ctaaaatgtg ctagtagcat 600
cttggccagc ccataaagca ataaacttct caataatctt aattttgata tttgaataaa 660
taatggaaac tttctgtatt aagggcatgt atcccatcaa ttggaatcag taccttaaca 720
gaaaaaggca gctcttcaat ggaattaacc gtgatataaa atgtttgata taggcagtac 780
ttttataaaa aaagataagc tgggaaattg ctccgtgtaa ttttttaaat aaaaagtcaa 840
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<210> 4409

<211> 2602

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1151)

<223> similar to gi4884086 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 4409
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gatagttctg gaggttataa cttttcagat attattcaga gtccatcatc tacaggatta 120
ttaaagtctg gtaagaccaa ttctgtggaa tctcttccag aactgttgac atcagactct 180
gaaggaagct atgcaggagt gggtagtcct agagatttac agtcccctga tttcacaaca 240
ggatttcatt cagataagat tgaggcgaaa gtcaaaccgt atgttaatgg tacatctcct 300
gtgtattcta gggaagattt aaaaccatgg gaaaagtcac caatacttaa aatatctgct 360
ccacagccta ttcccagtaa cagaattgat actaccagct ctgccagttg ggttgctggt 420
tctttcagtc ctgtcagccc tctgtttgtg gatctcagaa ctatcatgga aatagaagaa 480
agtagacaaa aatgtggagc tacaccaaag tcacatttag gcaaaacagt ttctcatgga 540
gttaaaacttt ctcaagaagca acgaaaaatg attgcattga ctaccaagga aaacaattca 600
ggaatgaata gcatggaaac agttttatct actccttcaa aagcccccaa accagtgaat 660
gcatgggcat cttctctgca ttcagtttca tccaagtcac tccgggattt cttactagaa 720
gaaaaaaaaa ctgttactag ccatagttca ggcgatcatg tcaaaaaagt ttcttttaaa 780
ggaattgaaa attctcaggc accaaaaatt gtcagatgct ctacccatgg taccacagga 840
ccagaaggca accatatttc agatttacca cttctagaca gtcccaatcc ctggctatct 900
tcttcagtgat ctgctccatc catggtagcc ccagtcactt ttgcatctat tgtagaagaa 960
gaactacaac aagaagcagc tcttattaga agtcgagaaa aaccgttggc tctgattcag 1020
```

attgaggagc	atgccataca	agattttattg	gttttctatg	aggcatttgg	caaccctgaa	1080
gagtttgtca	ttgttgaaag	gacaccgcag	ggaccactgg	cagtacctat	gtggaataag	1140
catggatgct	agttcactgt	ggagttgaga	tgcattttac	ataattatga	gtttgttcat	1200
ataaagaaaa	gctgtggaaa	agagtcttag	agatttttga	atatcattct	aaatagatta	1260
agaaaagata	taatttcttt	actgcagtta	aatcatataa	tgtttgtatg	attaaaaata	1320
aattttctcag	aattgtgatt	ttagtaactt	tatataaaat	gtgtgagaca	aaaacttatt	1380
aaggttaaat	agaattgttt	cttctgaata	atctaacaaa	ggaaaatata	agtgattgaa	1440
tcataagata	taaggggggt	aaagtattaa	aaataacttt	tttgtttgat	aacttgagaa	1500
tttagaagat	tttgccaagt	atgtgttggt	gcttgacttc	ttaaatatgg	cattgatgaa	1560
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<210> 4410

<211> 2402

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2403)...(1459)

<223> similar to gi4884188 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4410

aaaaaatttt	ttttttgaga	gggggggttta	ctcttttttgc	ccaagaaaga	gggcaaagg	60
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ccccccaaaa	aaggggggat	acaggggagg	gcccccccc	ccgggtaatt	tttttttgg	180
ttccggaaag	acgggggttt	ccccaggggg	gggggggggt	ttggaaaccc	cgcccccg	240
ggtgcccccc	cccccccccc	cctaaaaagg	gggggttaaa	ggggggaacc	cccgggcccc	300
acccccaaaa	aattttattag	ttttggtttt	tgcttttttt	tttgaactta	acagatactt	360
tattgctcac	ctttcacaca	aagcacacct	ccagccattt	tctttcacag	cttgacaatg	420
tttacatgta	caaaaaccca	gcaagaagca	tcatgtcatg	tagatttcag	taaggagaa	480
tgtaaaacat	caactcagcc	aggcttttgt	tttctgcagc	aataataaag	ggcctcctgc	540
acttagcaaa	aatctgtctt	aactttgtag	tgcatttctt	ccattacaaa	aaaagttacc	600

tgcttaaagc	aaactaactt	gtatttgctg	agccagtggg	attaactcat	gcataaaaca	660
aatttcgggt	tgctatttct	tctagcaaat	ttcaagtaaa	aataagggtg	aaggaggaat	720
ttgttttggg	tggatgcagg	tcaagtttgaa	ttgctatact	taactaaatg	cctacatgta	780
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ttttcagagt	tgagcatatg	atacagtatt	ccatcaacaa	aataaggcta	ctgaatgtgc	900
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tggcataaaa	gtcaaccggg	gggcagaact	gtgcttggaa	aataggcatt	ggaatacttt	1020
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aaagtctagg	tgaatcctca	ttttcaaaac	tgcatattga	aaacatgaaa	actacttatt	1140
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taaaggcaat	tttaaccacc	ttttaaaaaa	tttttcatag	aaaggagaga	tgttatgtgt	1260
ttctcaaata	aacggcatta	tgtaagtcca	ataaaaaaat	ctaacagaat	tgaatgaaga	1320
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cctcgccac	cacgaccacc	accacgatca	ccatgggtgc	cgccatcttg	gtatctattg	1680
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tgttcatagc	cacctctccc	tctcctctgg	cctcctgttt	gctgctgggg	gccatcttgc	2040
ctcttctgcc	acggtggcat	ctctgggggt	ggaggttcga	tttcattggg	tctaccacct	2100
ctgtcaggca	cctgccccat	caacacctta	ttgatggcac	aggcagtctt	ttctcttata	2160
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ttttctgtct	ggctcttagc	tctgtcagac	cagccaaagg	attgtacagt	gacatccaaa	2340
cgttttatta	gcagctttct	cggacttca	tattcattgg	ctatggcttg	gttaattgcc	2400
ca						2402

<210> 4411

<211> 1418

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1419) ... (394)

<223> similar to gil817584 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4411

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cattttcata	ttttacattt	ctcacctcta	taacatatac	aataaaaaatc	ccagacattg	180
ttggctggct	gattcttgca	aagagatgca	taagtaaact	agtcaagtac	atcttaacca	240
ttttgggtgt	catttagtca	gtcagtcatg	aaacagtaat	atggagacat	aattttgaaa	300
attaagcaaa	tgaatctgtt	ctctagaaat	gccttttctc	gagttatagt	attatatatta	360

taactattaa	aatttatata	aatcagtagg	ttttatttcc	acaccttcac	aatcccatct	420
ctagaagcag	ttacgatgaa	gccctgtgtg	gtctggaatg	tggcgacatc	agtgatgatg	480
tcatgatgtc	ccacgggcag	ggactctggg	ccccttcgag	gggtgtcatc	acttgggcct	540
actttctgct	tattctgaat	ttcctggaca	acttcagtgc	cttcaattat	tttctctgtag	600
taggacacag	atggggaact	agtacttcct	gcaacaacat	aggacctttc	tgggtaagcc	660
aagtcccaaa	accttatttt	catatctgag	ccagctgtta	gtaggatagg	atttcccatct	720
gcaggactac	agtagatacc	atggacgcta	tgaggagaag	gctgtaattc	agaaagtggg	780
ggtgcactgc	tggcccagag	agtaaactct	ctgtcaccag	tctccatgtc	ccacatggac	840
acttcgttgt	tgccctgaac	agctgcaatc	acccaggact	gatacagagg	gtgcattgag	900
aggcgtctga	ttcgagccct	ggaaggatga	cagtgaactg	aaattggcaa	ctggaacctc	960
atgtcccaac	aagccatggg	accactgctt	gtaccaatgc	agagccagca	ttggtggatg	1020
tccacagcaa	aggaagtgat	gaggcccgac	tttaaactat	gctttaaagt	ccacgcattg	1080
cttgaagacc	taagggtcca	gccaaccaga	gagccattca	cagtggcata	ggcaagaaca	1140
gactgtgctc	cagagttgaa	gtgatgcata	tccacaacac	aaccgtcctc	cttctgatct	1200
agaattctgc	tttgtagagg	atggatttta	ggagacttgg	gcagcttaga	agcctcaatt	1260
ccaagaagct	ggacagcacc	attatcagat	gctatggcta	aatagtggga	gccttggcag	1320
aatgtgagcg	tcttgactcg	tctccaatt	cggctgtatg	taagaataga	tctggtagtg	1380
gtggtcttcc	cctccatctt	ttgactgttc	cagatttt			1418

<210> 4412

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(300)

<223> similar to gi2257540 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4412

aagaagggtg	ttgtgttacc	cactctatcg	ccatttcaag	ctggtgatga	aggcctacag	60
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tcacaaaatt	tttcaggaaa	atgaccacgc	gtacatactg	aatgatctct	acatctcaga	180
ctactgtgtg	tggattcaga	aagtcaaata	caaaaagtgtg	gcagctcttg	cagaagcctt	240
aaaggaagtc	tcccttacaa	aggcccagct	gggggttagaa	ctggaagaac	tagaagcagc	300
agcactgctt	gtccaggagg	aagaaaactgc	attaaaagca	gccatttcag	tttctgggca	360
gcagacactt	tgctccagct	ctgaggcaag	tgattcggag	gactcagaca	gcagcgtgtc	420
atctggaaac	gaagactcag	gctcagattc	agaacaagat	gaactc		466

<210> 4413

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (48)...(567)  
 <223> similar to gi2149049 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4413

cgacccacgc	gtccgcccac	gcgtccgtac	cgtaggagga	cttatgaatt	gacattgggg	60
acatcactgc	gaggaaggct	ctcaggaaac	agctgcagtg	caagaccttc	cggtggtacc	120
tggtcagcgt	gtacccagag	atgaggatgt	actccgacat	cattgcctat	ggagtgtctc	180
agaattctct	gaagactgat	ttgtgtcttg	accaggggcc	agatacagag	aatgtcccca	240
tcatgtacat	ttgccatggg	atgacgcctc	agaacgtgta	ctacacgagc	agtcagcaga	300
tccatgtggg	cattctgagc	cccaccgtgg	atgatgatga	caaccgatgc	ctggtggacg	360
tcaacagccg	gccccggctc	atcgaatgca	gctacgccaa	agccaagagg	atgaagcttc	420
actggcagtt	ctctcaggga	ggacccatcc	agaaccgcaa	gtctaagcgc	tgtctggagc	480
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ccggctgcct	ctttgttact	gtgtagcacc	tgtgcgaacg	ttgcctgctg	tccacgtggg	660
gttggtttgga	gtctggggaa	ccagggttagt	gggcccccaa	gaagagcttt	ttatttc	717

<210> 4414  
 <211> 1382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (5)...(448)  
 <223> similar to gi6018823 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4414

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acccatttat	cagaagtttc	gcaaccagtt	cttagcattt	tccatttttc	agagctgcgt	120
ccagttcctg	caatattatt	accagagggg	ctgcctctac	cggctgcggg	ccctggggga	180
gaggaaccac	ctggatctca	cagtgggaag	gttccagtc	tggatgtggc	ggggcctcac	240
ctttctcctg	cccttctct	tctgtggcca	tttctggcag	ctctacaatg	ccgtcacgct	300
gtttgagctc	tccagccacg	aggaatgcag	agaatggcag	gtgttcgtac	tggcgttcac	360
cttctcctc	ctcttctc	gcaacttcct	gaccacgctc	aaagtcgtgc	atgccaagct	420
ccagaagaac	agaggcaaga	caaagcagcc	gtgagcctcg	ggctcctgtg	ccctcggccc	480
ggacttcaga	ctgcaggggg	ctcccgggct	ccttcccagc	agccctctca	ggcccgtggc	540
atcgctggga	gagggcccag	gccctgggtc	cccagtgagc	cccagtggtc	tagaggaatg	600
tgagccccgc	ctgtccgcac	agtgtccgcc	cacctattta	tgacatattt	aatgctgggt	660
ccccaatcgt	ccctggaacc	cgaggcctca	ctcctgtgct	tgaagggtggc	tgaggccggg	720
ccagtcttcc	tggggatggg	gcctgaagcc	tcagggagcc	cctctgttcc	cactcctgtc	780
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cccggggcca	ctctgttct	gctgtgagcc	ccctcctcgc	ccaccccgcc	acgtggtgag	960



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ctcccgaag	acgtcctcca	cattctcccc	aaacttggcg	gaacattcca	ggcctgtctt	1260
gaagcctgat	gagcaccatg	gggattccca	gggccaacc	tgtacacctc	aggaaccact	1320
gcgcgacgat	tgagcgggtca	ctctgtggct	atcgttccgc	tctctaggcc	gcttcgtagt	1380
gc						1382

<210> 4415

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (12)...(573)

<223> similar to gi639693 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4415

cggacgcgtg	ggattccaaa	ctccaagaaa	atcctgaaag	ttgcctatca	attgttcggg	60
aaaaactcta	caagggcata	tcttgggtag	aagtagaagc	taaagtgcaa	accagaaatt	120
ggatgcagtg	taaaagtaag	tggacagaaa	ttctaaccac	gaggatgact	aatggtcggc	180
gtatatacta	tggcatgaat	gccctgcggg	ccaaggtcag	ccttattgaa	agggtgtatg	240
aaataaatgt	ggaagatact	aatgaaatag	actgggaaga	tcttgctagt	gccatagggtg	300
atgttcctcc	atcttacgtt	caaactaaat	tttctaggct	gaaagctgtc	tatgttccat	360
tttggcagaa	aaagactttt	ccagagatca	tcgactacct	ttatgagacg	actctacctt	420
tgtctgaagga	aaagttagaa	aaaatgatgg	agaaaaaagg	cactaaaatc	cagactcctg	480
cagcacccaa	gcaagttttc	ccatttcgag	acatctttta	ttatgaagac	gatagtgaag	540
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ttccagtact	ttgggaggcc	aaggcggggt	ggatcatctg	aggtcaggag	ttccgagacc	660
ggccttgacc	aacatggtga	agacctgtca	ctattaaaaa	tgcgaaaatt	tagccgggtg	720
tggtagttgc	acacctggta	attttcaact	acttgggagg	cttgaggcag	gagaattgcc	780
ttgaaccag	gaagttagag	gtttgcagtg	agcccagatc	gcaccaccgc	catgagagag	840
agagattacc	aatttccttg	tccccttttc	ccagttttga	ttataattta	tatacatatg	900
gtc						903

<210> 4416

<211> 971

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(458)

<223> similar to gi306708 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4416

caagcatttt	tggaaaggg	tatgggggct	atattgcac	aatgatctta	aatcagatg	60
aaaagctttt	taaatgtgga	tccgtgggtg	cacctatcac	agacttgaaa	ttgtatgcct	120
cagctttctc	tgaagatac	cttgggatgc	catctaagga	agaaagcact	taccaggcag	180
ccaggggtgct	acataatggt	catggcctga	aagaagaaaa	tatattaata	attcatggaa	240
ctgctgacac	aaaagttcat	ttccaacact	cagcagaatt	aatcaagcac	ctaataaaaag	300
ctggagtga	ttatactatg	caggtctacc	cagatgaagg	tcataacgta	tctgagaaga	360
gcaagtatca	tctctacagc	acaatcctca	aattcttcag	tgattgtttg	aaggaagaaa	420
tatctgtgct	accacaggaa	ccagaagaag	atgaataatg	gaccgtatgt	atacagaact	480
gaaggggaata	ttgaggctca	atgaaacctg	acaaagagac	tgtaatatgt	tagttgctcc	540
agaatgtcaa	gggcagctta	cggagatgtc	actggagcag	cacgctcaga	gacagtgaac	600
tagcatttga	atacacaagt	ccaagtctac	tgtgttgctt	aggggtgcag	aaccggtttc	660
tttgtatgag	agaggtcaaa	gggttggttt	cctgggagaa	attagttttg	cattaaagta	720
ggagtagtgc	atgttttctt	ctgttatccc	cctgtttgtt	ctgtaactag	ttgctctcat	780
tttaatttca	ctggccacca	tcatctttgc	atataatgca	caatctatca	tctgtcctac	840
agtcctgat	ctttcatggc	tgagctgcaa	tctaacactt	tactgtacct	ttataataag	900
tgcaattctt	tcattgtcta	ttattatgct	taagaaaata	ttcagttaat	aaaaaacaga	960
gtattttatg	t					971

<210> 4417

<211> 1975

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(542)

<223> similar to gi3004821 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4417

agaaatcagc	tttcttcaca	gaagtcagtg	cctggggtac	ccattttaaa	atccctgcc	60
ctttgggcta	tcgtagttgc	acacttttct	tacaactgga	ctttttatac	tttattgaca	120
ttattgccta	cttatatgaa	ggagatccta	aggttcaatg	ttcaagagaa	tggtttttta	180
tcttcattgc	cttatttagg	ctcttggtta	tgtatgatcc	tgtctggtca	agctgctgac	240
aattttaagg	caaaatggaa	tttttcaact	ttatgtgttc	gcagaatttt	tagccttata	300
ggaatgattg	gacctgcagt	attcctggta	gctgctggct	tcattggctg	tgattattct	360
ttggccgttg	ctttcctaac	tatatcaaca	acactgggag	gcttttgctc	ttctggattt	420
agcatcaacc	atctggatat	tgtccttcg	tatgctggta	tcctcctggg	catcacaat	480
acatttgcca	ctattccagg	aatggttggg	cccgtcattg	ctaaaagtct	gaccctgat	540
atggggatct	cgctccatcg	cccaggctgg	agtgcagtg	cgtgatcttg	gttactgca	600
acttccatct	cccaggttca	agtgattctc	ctacctcagc	ctcctgagta	tctgggatta	660
caggcgcccg	tcaccacgcc	cagctaattt	tttgtatttt	tagtagagat	ggggtttcac	720
catgctggcc	aggctgggtc	cgaactcctg	atctcatgat	tcgcccacct	cagcccccca	780

aagtgcctggg	attacaggca	tgagccaccg	tgcccggccg	cttcgcattt	ttcttttgca	840
ggttgcatgc	cagccaatat	tcctctgtgc	tggaaggga	aagtttgagg	atgtatcaag	900
accatagcag	tggatctcac	tgctcttgcc	tactcagggc	tttatctaca	cattgatagc	960
ccctcagagg	aaaggcacca	gccgaagagt	cgacactggc	tctgggcttg	gatgctgcct	1020
ctgataaacg	ctgggcactc	tgaccctgaa	gccagggagg	gagtgccttg	cagctgcctg	1080
ggcacactcc	cctcagtcca	gttgccaggc	gaaattatac	agtggatggc	agctccacag	1140
agatgctaaa	gtttgaggtc	taagtgtcag	agagagctga	caatttttat	gaggaaagtg	1200
aacaacaaca	ggtgtttatc	agtacctgag	aattatcatc	tagtttaatt	aagcaaaggt	1260
atcaggaggt	ctgtttcagc	tcattccctt	tagtatggcc	ctaaaaaatc	aacagaactg	1320
tcctacttca	tgttgcccga	ctagcaggca	ggtatgtgaa	cctaaagtag	aagtcctagc	1380
ttacatatta	ttcataatta	aacacagttc	attttattat	tctggcaact	agtgatattt	1440
catgattata	ggccttaaaa	atctaataca	agtacaatta	aaaaaagaca	tagaatgctt	1500
acacaatata	gaaggcactt	tgaggttaca	tgataaataa	aaatacatta	atagaggcag	1560
gattatttat	tggttccttc	agtgtctgtg	tccatgggtg	tcattgagag	cccagttttg	1620
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gcaatataga	acacggtttg	ccattctcca	acagtgttat	caggggtcag	acttttagca	1740
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ccagcatacg	aaggagcaat	atccagatgg	ttgatgctaa	atccagaaga	gcaaaagcct	1860
cccagtgttg	ttgatatagt	taggaaagca	acggccaaag	aataatcaca	gccaatgaag	1920
ccagcagcta	ccaggaatac	tgccaggtcca	atcattccta	taaggctaaa	aattc	1975

<210> 4418

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1741)...(1484)

<223> similar to gi2295240 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4418

tttttttttt	ttaaaatatg	aaccattttta	ttgaagaaca	gttatacagt	gtagctacag	60
atactgacta	gatactaaat	atctctgcct	gattttttcat	tgtcttcaca	agttagggaa	120
tagaaatcaa	aaaaccaaaa	atctcaaatg	atttagctgt	ccagaacata	tttgacaggt	180
ggataaattt	ataacagctc	tgacatataa	atctctaatt	agagaatcct	ttcattttga	240
aaaaattgag	atgatattac	cctaatagaag	tttttacctg	aagttaacaa	agtcctggat	300
ttgatataat	actttgaaatg	cattaattct	gaaaatttat	atttagttct	actttataac	360
atttcttctc	ttaaggatgg	gatatgaggt	acacatgagc	tggtttctac	agtatgaatg	420
tatgtacata	tataaagtat	ggttgtaaaag	gagtgggtga	tttgcaaata	aagcacatta	480
tacacaaaat	ataaataact	tcccttttaa	aagttactga	gaataaagaa	tatagaacat	540
ggttataggg	acttacattg	ctatcaaatg	caggaattca	cttcaataag	aagtgccttc	600
tttgtaagca	tggttcatgg	caatagaagc	tccaactttg	gagaggatgc	ttcccgtagc	660
aaaaataata	accacaaaaa	aaatgggtgt	tgaaggaaaa	cagtcctaat	ttacagatgc	720
tttaaacctt	ttttggcctt	ggcatcagct	ttcatgttaa	aaaataaagc	tggtggggaa	780
gctatctcac	ttgcaaagta	aatggcttgt	atgagattgg	cgaatcttgg	tcagatattg	840
cattttttaa	gcacaaaacc	accggccacc	aatatcttcc	tgtgcatgca	tataaattat	900
tttcttctaa	ttcaaagtcg	agcagaggaa	tcccggcggtg	catgtgcatg	gagacacaca	960
cacatcacta	aggacacagg	acaaactatc	ataaaataag	cagtatccca	aacacatcat	1020

catctatagg	ctgttttaca	aaggtagaat	acaaacgaac	tgaatgtctc	aggtaaaagg	1080
caaagtctat	ttctccatct	ctgctgcgct	catttatctt	cttaaggctt	tcaacagaaa	1140
gcaccgtttt	atgaaacagg	caattcagta	cccagagctt	gactggagac	actaatcagg	1200
attgaagtct	tgatgcagtt	cataaaaacc	cacttaaaaa	aaggcatcaa	aaaccacatt	1260
taaaataaag	ctgtccatat	ataaagaatg	aagtgtttag	aagtccccag	cttgatcctt	1320
aataagagta	ctgaaagggt	taatattagc	agcctgtgaa	cacgtagtga	agaaagagtc	1380
tgagaaccaa	gttaacatcc	ttattccact	ctaattccac	ccatgccatg	ggtaaaaaca	1440
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attcaaccat	cttggcaagc	gtcttcttaa	ttctcaatgc	tgtgagtctg	gaggctggat	1560
tgtggggccca	gcattctgac	attagcttca	aaactgctcg	tagacattca	tcactgttcc	1620
accgattaga	cacaattggc	cgcaaacgtt	tgacacacac	aacctcacgc	atatcttcgt	1680
atgacggatc	actcggtagc	atgttgtaat	atggcaattg	gtattcttcc	ccgatcccta	1740
taagggaatg	agaaaacatg	ggcacaaaaa	tgggtgctgg	acaagatata	ccaatctagt	1800
aagcatcttt	tgctaaacta	tggaactaaa	acggattctt	acacaagaaa	aaatatagac	1860
cctatgattc	cctcttaata	gtagaagtat	gtttttctct	tatttatgtc	caactattt	1919

<210> 4419

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(372)

<223> similar to gi1841555 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4419

actgatagcc	ctcgaacccg	ttgaggaccc	tccgggacga	cccacgcgctc	cgcacacagt	60
gggcatccag	gatctccccg	aggtagcctg	agccgccacc	ccagctccca	gctggcaggt	120
cctgggggtg	aggggggtga	aggcaccag	aaacctcggg	actacatcat	ccttgccatc	180
ctgtcctgct	tctgccccat	gtggcctgtc	aacatcgtgg	ccttcgctta	tgctgtcatg	240
tcccggaaaca	gcctgcagca	gggggacgtg	gacggggccc	agcgtctggg	cggggtagcc	300
aagctcttaa	gcctcgtggc	gctgggtggg	ggagtcctca	tcctcatcgc	ctcctgcgtc	360
atcaacttag	gcgtgtataa	gtgaggggct	ctgccccgca	tcccaagact	tttcttctctg	420
ttgggagctg	ccttggggccc	attccctccc	ctggggggag	cccaactgat	ggccctggcc	480
ccacccttaa	ggaccaagg	agcctgagcg	gccttgttta	cagcttctgt	cctgctcctg	540
catctttgcc	agggtccttt	tgccaactgt	aagggccttg	cctcattccc	tggcaatggg	600
tccaacctcc	ctgactaat	gcctgcatcc	cctccggcct	cttggcccc	tatccctgca	660
cttctgggaa	acctccctgg	cactctggga	aacctccctg	gaacaacttc	ccaaat	716

<210> 4420

<211> 1412

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1409)...(504)  
 <223> similar to gill109880 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4420

tttttttttt	ttagtgtaaa	cattcacata	tttaatagta	cctttaaaat	aagcattact	60
acatttataa	tggttccaaa	atgaatctat	aaatggtaat	ataaattaaa	aaatacgaac	120
ttaaagtga	taaattttta	accttagcta	tggtataaat	aatggtaaat	gtatagtgtg	180
cctttgagtc	attaaaatgt	cttaaaagat	aacagcttgt	taccagaaca	ttagaaacca	240
tagccatgat	tctcaagcgt	taacaatcta	catttgatat	tttcttgccc	actgcattct	300
tcaatgaata	ataattttcc	gaattccatt	ccatgttgtt	ttccaataga	tcttttcaca	360
ctcgatgttg	aatacatggc	tctttgcaga	tgaataaaaac	aagtgcattc	agtttagaga	420
tccattttgc	gaaggctcat	tcgactgaag	gaatctctgt	gggcaggtga	caggcaatac	480
tgccttgat	aactgagggg	tctttctgtt	gatcagtggc	tgtagggcct	ctttaaggcg	540
atgatagttt	ctctccagtt	ccctttgata	ctccttttga	tccggcccaa	ttaagctctt	600
attttttctt	aaggcatctt	cacacctttt	agtaaaatct	ttaaagcaga	gtcgcagttt	660
attatgatgt	ctgaagagct	ttgggtcact	aggtatttca	gacagaaaaa	cctgggcaac	720
ttccaaaggc	ccctgattca	ctgtggtgcc	tacagatccc	tgagtagaca	tctgaagcat	780
tttggggctc	gcgggatcct	gatgtgttgc	aaatgccaac	tctgtgtctc	ttttctgcat	840
gtcctcaata	gcaacttcaa	ttggtgttaa	gatgatctct	tctttatgag	tgacattgac	900
ccttgtttta	atataaggaa	aggcatgaga	cgtagtcaga	atggtcttcc	ttttgaattg	960
ttcatgaagt	tcccatggg	cacggccatc	taaagtaaa	ggtgtacagt	acatgaatcg	1020
acgaagattg	taatttttgt	cgaataggt	gattctgtcc	ttcatctcat	atgtgtcaaa	1080
gtatggctcc	acataggtaa	tctgaatata	tgcttggtta	ggatctaatt	tacacttgtc	1140
tacaggatta	gagttcttga	ttacttcaac	cacatcctct	ccaaatcttt	ctccgtaaaa	1200
tccctccaat	ctgtgagata	tctctgcaag	tttggttatt	gcaggctcct	tgtaaacaaa	1260
ttcttgttca	tccaaatccc	cgaacttggt	tccataaaaa	ccaacacgaa	aatagggtgcc	1320
aaacatccgc	tcccagccag	tactctgatg	aacaattttg	ctgaatgctt	cttgaagttt	1380
accatgaatt	gtggatagtt	tctttgatcc	cg			1412

<210> 4421  
 <211> 1887  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1890)...(1515)  
 <223> similar to gi2394310 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4421

tttttttttt	ttaaaaatca	aaaatgaaat	atttattacc	gctttttgtg	acttaacacc	60
tttttttttt	taacataacg	tcacagtcct	catacaagta	ttttaatgta	aatttgacaa	120
agcttaaagg	taacagcatt	ttcttctagt	gaggaacacg	ttgctgagaa	aagaagaatt	180

catgggacat	acaataccaa	ttccacaggg	agatctgata	ctaggcaaaa	acattctttt	240
ttttttcaat	tgagggtaaa	cacataggaa	tatctaacat	gaaacaatta	atagaccgaa	300
ctctgtacgg	agttttgtta	cagtattctc	tttgctcctt	tttatccccc	caagctttga	360
gtttctgata	aagtcctagt	tatggttcaa	tgaccattaa	taactttttt	ttgtgttgag	420
gaaagctgcc	caacttaaga	ttgttttgtc	cacaaccaag	gtcagaact	cctggaagaa	480
gctcctgctc	tgtctttaaa	tcttcattgg	caagctcttt	gaagaagagt	cccccaaaa	540
taataataag	aattggctta	tggaagcacg	gaactataaa	ggatctgttt	gaaactaaag	600
gccacattta	tggggggaac	aaaggccggg	catgaaaaca	cattcttgaa	gctggagttc	660
ggagtgatga	ggttcagcca	aaagttcatc	atgatctcca	gtgtggttct	tttctcattg	720
gcccaccag	gtttaaaaa	tataccacag	tctcgtcctg	gatggtgaat	tcaactgatga	780
acccaaaacag	tcattctttt	ggggaccaac	acacataggt	gtggaaaaca	aggatatatt	840
tttttttctc	ttctaaaact	atttgaggca	accataacgg	cgtgatcaac	agaaatgtac	900
caagtttaac	cttagttccc	tatattttat	acctaccagt	agttataact	ctcggagtct	960
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acagctgtct	ggaatttcat	attaagtgtc	aacatctggg	caaagtccag	aaagtcttaa	1140
aatagttttt	gcgtgtgttt	ccttttccct	tgagttccct	tatactattg	ggcatgaatg	1200
tccataacct	gtccgccaac	attgggatct	acagaattta	acattgtggg	gctctgtgcc	1260
taacataatc	aatcccaggt	gggtaagggg	tccccccgtg	catcatcatg	gctgggtggg	1320
ggggatggct	tggcaaatat	gaatgcattg	ggggtccatg	tcttaattga	gtaggggtgtg	1380
gggtcatctg	gggaggagtg	taacttggct	gtgccatact	cattcccata	ggaccaccct	1440
gagaaacgta	gtcccctggc	atgctctgca	aacttcccc	ttgctttgcg	attgctttac	1500
atgatgaagg	ttacatgtag	tgccattgcc	catccatgcc	catattcatg	cccattccac	1560
tcataggtcc	tgcaggccgg	atccccatgt	gttgtctgac	atccaacaca	aagctcccca	1620
tgggctgacc	ctctggacta	tatgctgctc	cttggtcac	tgtctgattt	gactggtcaa	1680
tcatgggctg	tactattatt	cttctggcat	taataaaacca	gttgtttact	tggagaattg	1740
taagtcctgt	gtcttgctgt	aactgtttct	tctgctcttc	ggaagggtac	ggatgtgtga	1800
gatgctggaa	gagccatgct	ctcatgatat	ttgttgctac	tttggggaaa	atgectcttt	1860
tcttctggcg	ttttttgtcc	ttatccg				1887

<210> 4422

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (61)...(946)

<223> similar to gi3875428 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4422

gcggccggct	gccggaaaga	gaactcactt	gaccttcgct	ctcagtttcc	aaggggcagg	60
gattccgagg	actttaatgt	aaaagaggag	gctaattgctg	ctgctgaaga	gatccgttat	120
accacattc	tcaatcgggt	actccctcca	gacatccgta	tattggcctg	ggcccttgta	180
gaaccaagct	tcagtgtctag	gttcagctgc	cttgagcgga	cttaccgcta	ttttttccct	240
cgtgctgatt	tagatattgt	aaccatggat	tatgcagctc	agaagtatgt	tggcaccat	300
gatttcagga	acttgtgtaa	aatggatgta	gccaacgggtg	tgattaattt	tcagaggact	360
attctatctg	ctcaagtaca	gctagtgggc	cagagcccag	gtgaggggag	atggcaagaa	420
cctttccagt	tatgtcagtt	tgaagtgact	ggccaggcat	tcctttatca	tcaagtccga	480

tgtatgatgg	ctatcctctt	tctgattggc	caaggaatgg	agaagccaga	gattattgat	540
gagctgctga	atatagagaa	aaatcccca	aagcctcaat	atagtatggc	tgtagaattt	600
cctctagtct	tatatgactg	taagtttgaa	aatgtcaagt	ggatctatga	ccaggaggct	660
caggagttca	atattaccca	cctacaacaa	ctgtgggcta	atcatgctgt	caaaactcac	720
atgttgata	gtatgctaca	aggactggac	actgttccag	taccctgtgg	aataggacca	780
aagatggatg	gaatgacaga	atggggaaat	gttaagccct	ctgtcataaa	gcagaccagt	840
gcctttgtag	aaggagtga	gatgcgcaca	tataagcccc	tcattggaccg	tcctaaatgc	900
caaggactgg	aatcccggat	ccagcatttt	gtacgtaggg	gacgaattga	gcaccacat	960
ttattccatg	aggaagaaac	aaaagccaaa	agggactgta	atgacacact	agaggaagac	1020
aatactaatt	tggagacacc	aacgaagagg	gtctgtgttg	acacagaaat	taaaagcatc	1080
atttaacat	agacaatttg	ccaggatcta	ggaaccacct	aatggtaggt	ggacagaaaa	1140
ggaaaaaaa	aa					1152

<210> 4423

<211> 3086

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1167)

<223> similar to gi5921397 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4423

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ctgggtgctg	ccaaaccttc	caaaggtcaa	aaacgccacc	tctcaacatg	tgatggtcaa	120
aatcctccta	aaaagcaagc	cggttccaaa	ttccatgcga	gacctcgttt	tgagcctgta	180
cattttgtag	ctagtagttc	aaaagatgaa	ggacaggaag	atccttatgg	ccctcaaaca	240
aaagaggtaa	atgaacaaac	acattttgcc	agcatgccaa	gagacatcta	ccaagattat	300
actcaagact	ctttcagtat	acaagatggg	aattctcagt	attgtgattc	atcaggattc	360
attctcacia	aagaccagcc	tgtaacagcc	aacatgtatt	ttgacagtgg	gaacctgcc	420
ccaagcacca	catcacagca	ggcaaactct	cagtcaactc	ctgagccttc	accatcacag	480
acatttccc	agtctgtgg	agccgagaag	cagtatttta	ttgaaaaatt	aacggcgaca	540
atctggaaga	acctttctaa	tccagaaatg	acttctggat	ctgataaaat	taattataca	600
tatatgttaa	ctcgttgtag	tcaggcgtgt	aagacaaatc	ctgagtatat	atatgctcct	660
ttaaaggaaa	ttcctcctgc	cgacatcccc	aaaaataaaa	aacttctaac	tgatggctat	720
gcttggtga	ttagatgcca	aaatatctac	ttaactacag	gttatgctgg	cagcaagaat	780
gggtccagg	atcgagctac	agagctagct	gtaaaactct	tcagaaaacg	tattgaagtt	840
agagttgtcc	ggcggaaatt	caagcataca	tttgagaggg	acctcggtgt	gtgtcagatt	900
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gtcattacag	aaaatgcaaa	tgatgcaatt	ggatcctta	acaattctgc	ctcattcaac	1080
aagatgtcaa	ttgaatacaa	atatgagatg	atgccaaatc	gcacatggcg	ttcgtcgagt	1140
gttttttaaa	gatcactgct	tagctgaagg	ttatggaacc	aagaaaacaa	gtaaacatgc	1200
agctgccgac	gaggctttga	aaattcttca	aaaaacacag	cccacttata	catctgtcaa	1260
aagttcacaa	tgccatacag	gctcttcacc	cagaggatct	ggaaagaaga	aagatataaa	1320
ggatcttgta	gtttatgaga	attcttcaaa	tcccgtgtgc	acgtgaacg	acacagctca	1380
gtttaaccga	atgacagttg	agtatgtcta	tgaaaggatg	acaggcctcc	gctggaaatg	1440
caaagtgatt	ctagagagtg	aagtaattgc	agaagcagtt	ggggtgaaga	aaactgtcaa	1500

atatgaagct	gctggggaag	ctgtgaaaac	cctcaaaaag	acccagccaa	ctgtcattaa	1560
caacttgaag	aaaggagctg	ttgaagatgt	gatttcaaga	aatgaaattc	agggccgctc	1620
agcagaggag	gcttacaaac	agcaaataca	agaagataat	attggaaatc	agctgctgag	1680
aaagatgggt	tggactgggt	gtgggttagg	taaatctggg	gagggcatac	gggagcctat	1740
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aggtagaaaa	agacggaagg	aagacctact	agatcagctc	aaacaggaag	gccaaagtgg	2040
ccattacgag	cttggttatgc	ctcaagcaaa	ttgagatctt	actaatttat	ttgttaaagt	2100
ccaatgagg	cagatTTTTG	aattaaagaa	atgctacatg	ttccggttgc	agagtatat	2160
cataagatgt	ctcaccttgt	tcatttcaca	tagtgggtta	ttagatattg	gaacctaaag	2220
aattctgtcc	acttgtatta	gcttaatcca	gcagatgata	ttgtgcagtt	actgtttgtg	2280
tctttgat	tgctgtgtcc	ctcagatttt	agtagtttga	caagcaagaa	cacatatcca	2340
aatggaattt	taccctgaga	aattatcatt	ttaaagggca	tagcacagca	atctgcaaca	2400
atatgtaaag	ttgatattga	ctacaataaa	aatccagtct	taattccaga	tttactgaaa	2460
atgtcagatc	attttgtatt	aatctatttt	catctttgtg	tgaagccagt	tatagaatgt	2520
ttgacaataa	attgtgctgt	acacgtaaat	gtccttacca	actaaatgat	gtaaaacttt	2580
cttaaagtaa	ttttagtgtt	tatttattta	taacttctac	catgtgattt	ccagactatt	2640
ggaagtgatt	tactgtatct	tgtgatatat	gggttttaac	aaattctagt	cttcacgctg	2700
agagagcacc	tacttgagag	agcagttgaa	agtttccaaa	aactttgggt	caatctgaag	2760
aaaggaagct	tgaactgttt	gttcttggtg	ccttgcagag	agactcacag	caactctcca	2820
ttatagcttt	cacaccggtt	tggatgtgca	gcacatccaa	ggcaaccaca	gctgtggtag	2880
agcttggtaa	aagactgaag	atacattggt	gctttgatga	aaaggtcagt	tggctggtcc	2940
ctctctcaaa	aagcttatta	agcctgaaaa	gccaaactttg	taacatat	aaaactgcta	3000
ttttcgctta	tttctggaat	gtaaaaaaa	aaaaatgtat	aaaaagaatt	agtgtttgct	3060
tcctgaataa	aaaggagcca	aagttg				3086

<210> 4424

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (540)...(240)

<223> similar to gi2887421 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4424

aaaccttaga	aaaataagta	attcttttat	ttctacttca	aaatatacca	tgtacatctg	60
gaactctaag	ggggaaagta	accaggagaa	tagtccatca	aaaaaataag	ataaataata	120
attgcccat	tcagatccat	ctttaatcca	gctgaaaagg	gtatgagctg	ccagttgtct	180
tgctgtcagg	ggccaccct	ctgtcagtg	ccttgcggt	gcctcccaag	gactctgagt	240
ctaagagttc	ctggagcgtc	ttgaggacgt	gctttggctg	gctggcgga	aagtccagca	300
ggcgggagcc	catgtgctcc	tggaggctcc	tggacagccg	gcacaccacc	ccgcggatgt	360
tcccgtggg	tccaggcagg	gtgccattcc	tgggtggcgg	gttcaggaag	tgccagagga	420
tgggaaggac	atgccgctca	acagcttgag	gcttccgggg	gtaaactgag	gccaccagca	480
ctgccaggcg	attttgtgaca	tccagcaccg	cacggccact	caggaaacgc	actcgcccag	540
caagcgctg						549



<210> 4425  
 <211> 2431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (520)...(1205)  
 <223> similar to gil747519 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4425

gacagtctca	aaaatgaggc	atthttcttcc	ctaattattca	ggatcatgtaa	atataaaaaat	60
gatgcctcag	gctttccctc	tcccctaccc	ctgccttcca	gtgaaatggg	ggttatttga	120
agctgcttcc	tctttatttt	ttaaattgat	ttttacattt	ttagagatag	ggcctcactc	180
cattgcccag	gctggagtgc	agtggcgatga	tcatggctta	ctgcagcctc	aaatttcctgg	240
gttcgagcga	ccctcccacc	tcagcctcct	gagtagctgg	gactacagct	gtgtttctact	300
atgcctggct	aattatgtag	aaatagggct	tccccatctt	gcccagcctg	gtcttggact	360
cctgggctcg	agcgatcctc	ctggctcagc	ctccaaaagt	gctgggatta	caggtgtgag	420
ccattgcgtc	cgactatgct	tgattgtcca	aggatctgat	ttctaggatt	tgtggggcca	480
gtctctctcc	attgcctccg	tcctgctgtc	tcttgcttct	acagggatct	ggacaactct	540
cctctgtccc	caccttcacc	aaggacaaa	agcagaacgc	atactcgggc	actcaagaag	600
ttaagtgaag	tgaacaagcg	cctccaggat	ctcctgttcc	gtctgagccc	caagccacct	660
caggggtcaag	agcaacaggg	ccaagaggat	gaagtgggtct	tgggtggaagg	gcccaccctc	720
ccagagaccc	cccactcctt	cccactcaaa	atccgttgcc	gggctgacct	ggtcagattg	780
cccctcagga	tgctggagcc	cctgcagagt	gtgggtggacc	acatggccac	ccaccttggg	840
gtgtcccca	gcaggatcct	tttgcttttt	ggagagacag	agctatcacc	tactgccact	900
cccaggaccc	taaagctcgg	agtggctgac	atcattgact	gtgtggtact	aacaagttct	960
ccagaggcca	cagagacgtc	ccaacagctc	cagctccggg	tgcagggaaa	ggagaaacac	1020
cagacactgg	aagtctcact	gtctcgagat	tcccctctaa	agaccctcat	gtcccactat	1080
gaggaggcca	tgggactgtc	gggacggaag	ctctccttct	tctttgatgg	gacaaagctt	1140
tcaggcaggg	agctgccagc	tgacctgggc	atggaatctg	gggacctcat	tgaggtctgg	1200
ggctgacacc	ccactccctg	tttgacggcc	cagcctggac	ttggggagaa	tgactttccc	1260
ttttttgccc	cataagggct	agcataagct	gaggtagaac	ttatctttaa	gctgcagcaa	1320
aatcaaggag	tgacttttgt	cccctctcct	gttgaccctg	gttttagagcc	gttaaccact	1380
tgggtgagtta	tgtgggtgtt	gttgccctgg	gtggcctgtg	gctccgtcca	caagtcatgc	1440
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cctcttttcc	tcatggaaat	gtctgcttta	tgaactatg	cacatattga	aagtgagttg	1560
aaacaaatga	gggttgggta	ggagcttcca	ggcctgggat	ttacaccacg	cctagcccag	1620
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ctcacctgag	gacccttcag	agccaccctt	tctagtthtgc	atthcctggg	gcacacattt	1860
aaggcataac	agcacattca	tccctthtgg	ttgggatctc	aggaatacac	tcccattgca	1920
agattctctg	gtttttatgg	ttttttccct	ttctttacac	catcctctcc	cataagcacc	1980
catgtctttg	aatatgaatg	tattttgtaa	ataccacgtt	tcatgtgtga	atatgtgctt	2040
ttactgtaca	tagtgctatt	gtgcaatagg	tcttatgctg	ttttcactca	atgtgtgcta	2100
agatctagcc	ccattgactc	ttctagaaat	gcagtattgc	tttgacctgc	catgtggcac	2160
tccacaatgt	caattgcagt	ttacacacat	tgccataaagt	gggggacacc	tgggtgcccc	2220

tgaccaccttg	gcaccggata	caggccacga	ttaacatcct	ttcgtgtgtt	cccttctgtg	2280
cttgtgtggc	atgtgtaccc	aggatgggccc	tataggtcac	agaggtcagt	ttctcttttg	2340
ttttccagat	tttcttttaga	acgggtgactg	accctcctac	ttgaggccgc	ccctttctcc	2400
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<210> 4426

<211> 2447

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(472)

<223> similar to gi5912004 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4426

ggaagagatt	gacagagagt	ttcataataa	acttaaatta	aaagaagata	aacttgagaa	60
acaggagaag	cctgtaaatg	gtgaagataa	aggagactca	ggagttgata	cccaaaacag	120
tgaaggaaat	gccgatgaag	aagatccact	tggacctaat	tgctattatg	acaaaactaa	180
atccttcttt	gataaatatt	cttgtgatga	caatagagaa	cggagaccaa	cctgggctga	240
agaaagaaga	ttaaatgctg	aaacatttgg	aatcccactt	cgtccaaacc	gtggccgtgg	300
gggatacaga	ggcagaggag	gtcttggttt	ccgtgggtgg	agagggcggt	gtggtggcag	360
aggtggtacc	ttcactgccc	ctcgaaggatt	tcgcggtgga	ttcagaggag	gtcgtggggg	420
ccgggagttt	gcggattttg	aatataggaa	aaccacagct	tttggaccct	aaaaggctct	480
gattgatcgt	actgctttct	gaaagaaaga	caacaaagtt	gctgcatagt	ctacaaacaa	540
gtctctgaaa	ataggtgaat	ttctagctct	tcattggtcct	gaacattgat	ttcagtcttt	600
gcaaagaatg	aagaagtga	ttcgctgtac	atttgtcacc	agcactgggt	ttttgttttt	660
tgtttgtttt	tcgcgttaat	ttcaaagata	aatgacagtt	acttttgggg	gtggaaggct	720
catcttaaaa	catgagcatt	aaatatattt	ggaatagcag	aagggttaagt	aatttcttat	780
gtatagttaa	actaaagcag	tacttcagtg	ggacttaaca	agtatttttt	tcactactga	840
aagggtttttt	ttttttatca	ctaaattgta	tttggaattt	gcaagttgcc	tgcaaatagg	900
gccgtgataa	ctgtgttttg	agcccacaga	agggttgtgt	gtgtgtgtgt	gtgtgtgtgt	960
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtcttt	ttcctccttt	cttttgggga	1020
atccctgtaa	tatgaggtag	cttatttctg	caattaatta	gggtgctgga	tggtagagaa	1080
ttttgtcagt	caactatgta	cacacagtaa	atactgtttc	ttaggcaaag	gtaacttttt	1140
tatatagttg	taaaattcca	ttatattcca	ttgcaaaga	aacattaaga	actttgtata	1200
gctgtataaa	aagcaactaa	ttttttaaag	aataaacatt	ttaaagtcag	caaacatact	1260
gtgtccttgc	agaagttgat	gtgctgagca	gcagccttat	gggtgggtct	ttttttctta	1320
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ttttgtagca	aatggcatat	cacaggatct	gtccagataa	tcgatatttt	cagtatataa	1500
atgtaaataa	tcacagatga	gaatgtactt	agctgtattt	tcaaataagt	aatcttcccc	1560
cctttttagt	gacttttaaaa	ctaggcatca	atgaacctgt	ttttcctatt	atgcctggaa	1620
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atgactcagt	atagagttca	ttgctaatta	taaattacta	gtgaatcttt	ttgatatttt	1800
aagctctagt	gggaaaaatc	tggccacttt	tgtgttttta	tgaaggccat	ggaataaaaag	1860
gatccaaaga	tttaaatatt	tttatcta	attttgattg	ttttcttaac	tttcctcctt	1920
aaaaccattc	agtagtgata	aagatataga	aactgcactg	tagggagaat	tgggaatatt	1980

taaggctggt	tgacattttt	tattttcatt	ttatatcttt	tgtatagctc	tacaaaggca	2040
gtgttttgta	atttggtttc	attatgaaga	tccagtactt	ggcagccata	gttttagacaa	2100
tattgttcag	tgctgtttgc	ttgcatgtta	acaacaaaac	cttttagagg	acccacaaat	2160
catgatattg	aacacagttc	cgaggcattc	agagcatcag	agcaaagtac	catgcccaata	2220
catgtgtaga	ctgttgagga	tgtcccgggc	caatttcaag	aaagaaaact	gtaaatacta	2280
gttctacttg	ctctgaaatt	atgagtttat	gcgttttccc	agccctccga	atcactgact	2340
ggggcgtttt	gtgccccagc	aataactggc	agcatggcat	acctgcagta	ccccttacia	2400
tattaaagca	aagtttttat	tctaaaacag	aataaaaactg	ttcaata		2447

<210> 4427  
 <211> 1785  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1786)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1740)...(1185)  
 <223> similar to gi4160304 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4427	
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cactgtgtgg	ttgctagac
acgggccctg	ccctggcgca
ggccactgac	caagtccaga
aatcatgccc	cactggcagt
gctgagctgt	ggggaaagct
tctgtgcccc	gaggcccaag
aggaggaaga	actggggcct
ctccctttag	agcttgcac
ccagacagcc	gatctcccac
gcccctggca	gccacgagga
cccaggccca	ggccagtcag
ccggtcactc	cttcttacta
tttgggtctg	tgctggggct
cacctcgcta	cggccccaca
ggcatcccca	caccctccct
gctcctaggg	tgagagccgc
ggagaaaatg	gaaccatgca
tgggggtggg	gaggttctga
cacagacagg	cctgctgggc
cctgggctgg	tgtatcgtgg
ggatctgctc	ctgcggcttn
gaacagctgg	ttttctgggt
ggggcttggg	tttgggctca
tttttttttt	ttttgcttta
cactgtgtgg	ttgcttagac
acgggccctg	ccctggcgca
ggccactgac	caagtccaga
aatcatgccc	cactggcagt
gctgagctgt	ggggaaagct
tctgtgcccc	gaggcccaag
aggaggaaga	actggggcct
ctccctttag	agcttgcac
ccagacagcc	gatctcccac
gcccctggca	gccacgagga
cccaggccca	ggccagtcag
ccggtcactc	cttcttacta
tttgggtctg	tgctggggct
cacctcgcta	cggccccaca
ggcatcccca	caccctccct
gctcctaggg	tgagagccgc
ggagaaaatg	gaaccatgca
tgggggtggg	gaggttctga
cacagacagg	cctgctgggc
cctgggctgg	tgtatcgtgg
ggatctgctc	ctgcggcttn
gaacagctgg	ttttctgggt
ggggcttggg	tttgggctca
tttaacatca	ttcactgaaa
gtcgtctggg	ggtcggggaga
tcccttgggg	aggcagctcc
gacgaaggcc	tcggggcaga
tgcaggctgg	gagccctgcc
ttgctgagag	ctgcaatgac
actgggctgg	cctttcctgg
tctataccct	ggagaggcag
tcaggagaga	gagacttgca
tctcctggga	gacccacca
tgagtaatt	tggttgggg
gagacttgca	tcagaacact
gacctgacag	gacctgacag
tggttgggg	acgtccccac
ggtaggggaa	ggggaggatc
ggatagaggc	ccagccccag
agcttccctg	ccccatgtga
gctgggcac	tagttggcaa
ataagacaca	ttgggctctg
cgcaggcttc	tactttggcc
ggcttctgcc	tggcctcccc
cccagtcctt	ccccttcaca
tcagaagagg	ctggggctcg
gtccatctcg	tccatggctt
agccggggcc	gctttggggg
tggtggcttg	ggcttaagct
gtccaagtcc	tcttcaactc
120	
180	
240	
300	
360	
420	
480	
540	
600	
660	
720	
780	
840	
900	
960	
1020	
1080	
1140	
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1260	
1320	
1380	
1440	

tgaacagttc	cttggaggcg	tccctgtggc	tgaggctggg	tgtgggccct	ccactctcac	1500
aggcggccgg	cagcaggagg	gagtcaccca	gggggatggc	cccgccgagg	tcaggatcat	1560
caaatagctt	caggggggtcc	acggatgaca	cgctctccga	ggggtcctgt	ggagacagct	1620
tccctgcccg	gccaaagagc	ccttcatcag	ggccacctc	ctcgtcaaag	atggtgagcc	1680
ggggcgaggg	cttggctttc	acggccactt	tgggatgttt	cttcggacgc	gtggtcgacc	1740
ggganttcgg	ncgggtntcg	cagactctaa	naggttcaag	gcgcg		1785

<210> 4428

<211> 2186

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1711)...(965)

<223> similar to gi4688672 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4428

tttttttttt	ttaataaaact	agcagcttta	ttgcccttca	ggggccatgt	cttcacttga	60
gatgtcgaat	tgcttgaggg	aggaaaacct	gtaagaaatg	atggagatca	gggaacaggc	120
cttggggatc	ctggagcggg	gtcacagtga	gcattcgggc	agccggggag	acagacgcca	180
caaagctcag	caggggtcca	gtttctggcc	tctcttcgcc	accactcagt	cctttcagct	240
cctgggtgac	ctgagcctca	gtcgccagcc	accctgctct	tgtgccagcg	ccacctccag	300
ctccctcctt	ggtttgctgc	tgcaagcgtc	tacgggctcg	ccgccgccct	tgccacactc	360
ggtgccacaa	ggcacagcgc	cagctcgctg	aggagggcag	ggatgcccc	ttccctgcct	420
caccttgaga	ccattcttgg	gctgcctcat	gtcccttggg	cccccgctct	gccagggctg	480
cgtggctggg	ctgccccctt	tctccagggg	ctccatgctt	tccagtggtc	aggggcaggt	540
ccccggctg	cccagggtc	tgcatggccc	agtctgcac	catctctcca	acctctataa	600
ccatctcttc	tacctgtct	tccccaccgt	ccctgcaca	tccctgctgc	tcctctttcc	660
cctcctcaca	gcagtttttc	tgtccatcta	ctttgagtct	tttgcttgtc	cctccctgag	720
aggactcccc	agttccacct	ccttctgacc	gcgttctctt	ggttgctgt	tctatatggc	780
accccagtcg	ttccctgaat	acctgcacca	gggcagcagt	gagctgggtg	aagggtgcaa	840
ggggtaaagg	gatcggcgta	gcagagagca	gggagctggg	ggagctgggc	tgcaagaagag	900
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aattggctgc	tgctcggcag	cagttctgta	ggcgcccagc	caccgggctg	gtcacattgg	1020
ctgcgacatt	gtgactcagg	tcaaaaagggt	cctggagatt	cagggggcca	aggcgagac	1080
cctcccagag	attagaaggc	aggccccctg	ccacaggcag	tgctgacct	tccgcagggg	1140
acagcaggga	gccacgaaga	tccaacaag	atacacagga	gaagaactgg	gctagcaggg	1200
aactgagggg	ctccacattt	atgctgggct	ccagtcttga	ggcatccctg	gggaaactgc	1260
agtcccagcc	atcgacttcc	acctgttccc	cctctcctgc	tttctgggtg	agctgggaca	1320
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cgtagttaact	gagaaggggg	ccactccctg	acagcccccg	acctgagcc	cagcagcgga	1440
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ctagcagtgg	tgaagctgga	ggcagagact	ggggagaagc	aagggtctcg	gaggccaagg	1800
cagagtccgg	agtttggggc	gccagggagg	aggaaggggt	ttcaaagtcc	agggcttcag	1860

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cttgaggggtc	cagtggggaa	gccagggccg	agtccagcga	tggagattct	ggagcctttg	1980
ggactggctg	tggacagaaa	tgaactgagt	gaaatgtttc	tgctgttccc	taagcagggg	2040
tctctcaaga	taatattact	tccagcttat	tcagctctat	tctaaggctc	ttatacatat	2100
taactcattt	aatcttcaca	ggaacccttt	ttttttttaa	agataacctt	ttaattctat	2160
aaaataaaaag	gtctacctct	gcaaaa				2186

<210> 4429

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5266)...(1205)

<223> similar to gi3882325 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4429

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cccagaggca	tcacatgtg	tttccatttg	gtatccttgt	gactttttgt	agtgttttcc	120
cttaagaaaa	ctttgagtaa	actctgtaca	ttgccagtta	atcttttcac	aataatttaa	180
aaatgggtgt	gctgttggt	catcgatgca	agaagaccaa	caataaaaagt	acagtacaag	240
gaaattcaca	acataattaca	gtggaacaga	ctgagtcaca	tttaggtgat	ggcaggagaca	300
cagtagcggg	atatacatgc	acccgaagac	gtgcaagcca	agtaggataa	tataaggatc	360
atacagtga	ttttctaagc	ccactgagga	ctttgtacct	tttcaaaatc	atcctgtatc	420
ccctccagca	tacagaatat	ctgtcttgct	tactggcttc	atggcttttt	cactacaaaa	480
agttcactga	atcagacagt	ctgaagcatt	aaaaaattca	taaaaaacag	taacactgac	540
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<210> 4430  
 <211> 2216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2217)...(487)  
 <223> similar to gi4884120 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4430

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aaaaaagaaa	agaattaatc	acagtggaa	atgaaatgga	atgtcaactt	tggggacggg	180
tcatccagag	gagtccaaga	gccccaacat	ggtcgcgtgt	ctctggteet	caggtcatca	240
cccagcctca	cccacagggc	acccgccacg	gccgtggccc	accgtgcaag	cttccacttg	300
gtgcctgcgt	gggaacgcac	caactgccgt	ggaacttctt	cctgcggggc	agaggagggg	360
tccagaagcc	acaggagtca	agtcagcaaa	attaagttaa	tttaciaaag	tatagtaaaa	420
accacaatag	tgaccagtc	cctcccacgc	agtgtgagcc	ctgtgagggt	ccagcacggg	480
ccacctcaca	gggcaaagg	ggtgaagaag	atgtgcatct	tggccaggaa	ggtggtgacg	540
gagccctgag	tccagagctt	catctccacg	tccaggggcaa	agtcccgggg	ctccagcacg	600
gcccgcgtgca	ggtagaccac	acccgtgtag	gcattgagcc	tgcgcgtgcc	aaagtagccc	660
tcctcattgc	ccttgatgat	gttcaggggc	atggtgtccc	ccgtgaaggc	tggcgcgggg	720
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cagtagcact	ggtaggagcc	atagatgttg	gcacactcct	ggctgcagcg	ctgggcctca	1200
cactcattca	cgtcttcaca	gcgcttgccg	tccgctgcta	gcaggaacct	ggaggcgcag	1260
gaacagcggg	aggagccgag	tgtgtttctc	cacgtgtgct	ggcacaggcg	gcctggcgag	1320
gcccagcact	cattcacgtc	gatgcagccc	cggccaaagg	catcccgtg	aaagccggct	1380
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tgtcgccggc	tacaatcgtg	agcaccatc	aggcactcgt	cttggctctc	acaggacacg	2040
ccatccgccca	tgatggcata	gccgggaaaa	caggagcata	tggctgagcc	cccaacagtg	2100
ctgcacacct	gcttgacagg	tccattgtct	ttgcaggtat	tgggctgcgg	cagtggcagc	2160
gggatgggtg	tagaggccac	ctgggaaaat	tctgacttca	gtgcaggctc	ctgtgg	2216

<210> 4431  
 <211> 660  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (5)...(200)  
 <223> similar to gi5020264 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4431

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agactcatcc	aggaaattga	ggacagatct	ctacatagac	cagctgaagt	cccaagacag	180
ccctgagatc	tctagcctct	gtcagggaga	ggaggcaacc	ccaagacaca	gtgacaagca	240
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ctgtgacgaa	aatgacactg	tgacagacat	tgcccagcat	ggcctggaga	tggtggagcc	420
ctgggaggaa	ccccagtggg	tgacgagtcc	ccttcactct	cccacctga	aagacgcgca	480
caaggcccag	gtacagggcc	ttcaggggtca	ccagttggag	aagaggcttt	cccacaggcc	540
cagccttcgc	cagagccatt	ctctagatag	caaaccacg	gttaaaagcc	agtggactct	600
cgaggttccc	tcctccagca	gctgtgctaa	tcttgaaaca	gagaggaatt	ctgacctct	660

<210> 4432  
 <211> 3311  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3312)...(640)  
 <223> similar to gi5725508 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4432

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cctttaggtg	atggatttta	acactgaaga	cagtcgtggt	cattcttgaa	gacagcttgg	180
ggtccagctt	tggagcctgc	tttgacattc	accattgact	ccctgcccc	cgcctctctt	240
gtactaattt	tttccctgt	gaggtagatt	atztatcggt	gaaaccagat	agaatttttt	300
tttttcattt	aagtttgcta	gtcctttgca	aacagactga	cgctgagtgt	cctgtctgag	360



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gtccactgga	cagttgatga	taggggtctgc	cgccccatac	cctctcctct	tcccccttag	480
gaattttgtgc	agtactggag	gggttgcggc	aatgggagggc	ctgggtgggc	cgtgctgcct	540
tgatatggcc	aagggaactca	gtcaccacag	tggagaccct	tgtctgcacc	tcagtaccgc	600
atgtccagga	gcacaagact	ggccccctgcc	ccccgaatc	acagggggca	cagctggctt	660
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gaggggtccc	tgcactctac	agttcgctc	tgccagccgg	ccccgcaggt	gctagagcac	780
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gcggggaaca	t					3311

<210> 4433

<211> 551

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(552)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (197)...(439)  
<223> similar to gi6014636 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4433  
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catgtggact cgccggaagg tctttgaagt aacattaaca ttaagacaag tttcctcgcc 180  
ctgtctttct tcttagatcc ccctagctca gtcggaggcg ttcctaacgg atcttttgga 240  
gaaagtctgt gagcgaatga acgactacaa gcttgaggaa gaccctgtga cgaaggagag 300  
aactttcaag agattcgctc ctaggaaagg agacaaaata taccaagaat ttaaaaaatt 360  
gtatttttat tctgatgctt acagaccttt gaaatttgcg tgtgaaacta taatagaaga 420  
gtatgaagat gaaatatcct cacttatcgc ccagggagac acactattct agcntgacaa 480  
gctgttcgag ttgaaaaatt cagggtactg tgttntgatt gttaaccngt ggntcgggtg 540  
ntcgcacacc c 551

<210> 4434  
<211> 641  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(642)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (20)...(340)  
<223> similar to gi2959884 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4434  
gaccacgcgt ccgcccata caaaagtgag aacatgtatg cataatcaga aggatgcagt 60  
gcagatgcct agtgaaactc tgaaagcaaa aatggtacct gagaaagttc cccgcagatg 120  
tgctactgtt gctgcaata aaataaagat aatgagtaat ctaaaagaaa cgatctcagg 180  
accagaaaat gtctggatta ggaagagtag cagaaaactg ccccatcgaa atgcttctgc 240

tgcgggctaaa	aaaaaattac	tgaatgttta	taaagaggat	gatacaacca	taaattctga	300
aagtgaaaaa	gagctagaag	atattaatag	aaaaatgctt	tttttaagg	ggttcagatc	360
ctggaaagaa	aatgcacaat	agtgactatg	agaatgtaga	agtggcatct	gaaaacaatt	420
ggtacacaag	taaactggca	gttacattct	gctcccagct	ctaaaattac	tcccttattg	480
gcatcttttg	aggaattttc	taaaagccat	aatccagtgg	gttcctccca	gtcagctctt	540
gtacagacat	gtgctctggg	gaattctgag	gaggaaataa	attgcagagt	ctgtangtgg	600
agaggaggaa	agaaaagaca	aatggtctgc	tataagacta	c		641

<210> 4435  
 <211> 5662  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(2934)  
 <223> similar to gi5689451 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4435						
gttggctgat	agttcacctt	caaatcttca	aattattata	aaagaactgc	tttctatgca	60
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gtccagttca	gggtttgtgg	ggctgagaaa	tggtgggtgca	acttggtata	tgaatgcagt	180
cttccagcag	ctgtatatgc	aacctgggct	ccctgagtc	ttactttcag	tggatgatga	240
cacagacaat	ccagatgata	gcgtgtttta	ccaagtgcag	tctctctttg	gacatttaat	300
ggaaagcaag	ctgcagtact	atgtacctga	gaatttttgg	aagattttca	agatgtggaa	360
taaagaactt	tatgtgagag	aacagcagga	tgcatatgaa	ttctttacta	gtctcattga	420
tcagatggat	gaatacctca	agaaaatggg	gagagaccaa	atttttaaga	atacatttca	480
gggcatctac	tctgatcaga	agatctgtaa	agactgtcct	cacagatatg	agcgtgaaga	540
agctttcatg	gctctcaatc	taggagtgac	ttcttgtcag	agtttgga	tttctttgga	600
ccaatttggt	agaggagaag	ttctagaagg	aagtaatgcg	tactactgtg	aaaagtgtaa	660
agaaaagaga	ataacagtga	aaaggacctg	tattaaatct	ttacctagcg	tcttggtaat	720
tcacctaatg	agatttgggt	ttgactggga	aagcggacgc	tccattaaat	atgatgaaca	780
aataaggttt	ccctggatgc	taaacatgga	gccttacaca	gtttcaggaa	tggctcgcca	840
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cccacgaaaa	aaggttgccc	tcacagaaaa	ctatgaactt	gtcgggtgca	tcgtacacag	960
tgggcaggca	cacgcaggcc	actactattc	cttcattaag	gacaggcgag	ggtgtggaaa	1020
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cctggagtat	gaatgctttg	gaggagaata	tagaccaaaa	gtttatgatc	aaacaaacct	1140
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tgatcagaac	tccccagtat	taccaaagaa	aagtcgagtc	agcgttgta	ggcaggaagc	1260
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gaaaacccta	gacagtgcct	tgttttatca	ggataagtta	aaaagccttc	atcagttact	1860
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tcacagaatt	atctttttta	tgcttggaga	catattgaaat	aaactgtagt	cttaaatcat	3840
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gggtgtgggg	agaggtttac	accacatat	ttcatatata	ttttgtacat	tttgattttt	4200
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agaactgtac	ccttagagaa	acggacagag	gcgagtggca	aacttcagac	ggttccaatg	4620
gtcttgacgt	ttgaaatgtg	atgttctacc	attggttttg	agtacgtgaa	tacttctgt	4680
cctactgttt	ccctaccct	attctcacct	tctctccgcc	cacatcctca	ccaagagatt	4740
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tatggaaaca	acgccttccg	cacccctagc	acctgccgtc	ctcactgtaa	aggttcatca	4920
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gagttgtcat	ttttactgcc	aatttttttg	atgaagatgt	ttttataaac	ctttcaaaat	5160
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agctcccctt	agtgaaggcc	gaccccttaa	gatggggccc	atttctgccc	cggtgaaagg	5280
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gaggtgtgtg	cagttacctt	cctgagcttg	gaacaagcag	actggaattt	tcctctgcta	5520
cctccttggg	gtataaaatc	ttgtttataa	aatttcaaaa	ggaagtagat	acacttaggg	5580
aagaacctta	attctaaatt	tggttcattg	gtggcacaag	ttcttagctt	ctaaggaggt	5640
ataaaataaa	tttttcaaaa	ac				5662

```

<210> 4436
<211> 1857
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1611)...(1440)
<223> similar to gil890141 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4436	
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gatgaggagg	gggcgtgagg cacaaggaca gtagggtgtg ccctggtggg ggccgcctga 120
ggatccccta	ggaggccctt caggctgggt gagactgaag gtaagggtta gggaggggag 180
gggcgagagc	cttgagcgct gctctccagc tgcacagag ctccctctag tggtagagaa 240
gagagatgac	gcctccggct ggggagggag gggctggcgc ctctgagaga gccatttat 300
tatcaggggtc	acggccaaga ccgtgggctt ggtttctagg taggtggact ttgaggggca 360
aagacaaccc	acttttctctg cccctaccc ccggtcttta gagaccattt aaatccatat 420
ccaaagtata	tccagagcca cctgggacca tcaggcctct ggctagtctt tctgggccaa 480
acctgtcctc	cacctgagg accctcaggg aaccaggaag gtgaggggct ggctccgccc 540
cacctgtagc	acaagagctg gcccaggagg aggtgaaga tgtgtttcta gttcctgcat 600
gctgctttgt	tgtgtgacct cggacatgtc acctccagcc ttcttcaccc acctcaccta 660
tcaactaggg	ctagtaattg cctgtggtgg gtgggctggg gggctctgat gccaaaatgc 720
aggtagaaga	cacactgtga gaggcaaacg tcttactca tcctgcaggg aaaggccaag 780
tgagcatctg	ggacccatcc gagctgaatg acccccaccc ctccatctgt gtctatggag 840
ggcagtgcgt	gtcctcatcc tggcgagaag aggaatctga tccaaagccc tcatggcaga 900
gaggcaggag	ctgatggctt gaaagggcaa gggtttgccc aagggtcatgc agaggaagga 960
gtggggacgg	gttgaaggag atgttttctg cccctgaggg ccttggaag aggggtgtggg 1020
taggaagttt	tgggaggact tgaggaatgc tggatatctg gaagagttgg ggccccactc 1080
ctggggaggg	agcactggga tttgagctcc agatttgacc tggagtggg ctctaaaggg 1140
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aggatccagg	accacatctg taggccatgt gggcagctca ggagtcctc ttgggctgga 1260
tagtctgcac	agaagattgc ccaaaggggc tggcgggtgg cgagaaccat gactggccac 1320
tggcattgcy	gaaaattggg gacaactgct gctctggctc atccccgaag acctccacgt 1380
ggctgtcgcc	ttcggggctc aagggtctct ccttggtgtc ctggctcagc cagcctatca 1440
tggcccagaa	gaggcagatg gcgagcagaa ctccagctgc cacacagagc gctgtgcctg 1500
ccaggcgaca	ggtgcccgag gcctggttgt agtcggctgc ccgctgatcc aacaccagga 1560
actcacctc	accgatgcc tccagcttgg ggggcactgc atagccctca tagaagaggt 1620
gcaggtagga	gcggacccca taccatttgc catcctccac gctggggccg cggctgcagc 1680
tgcaggaacg	attgcagctc ggcacatctg acccctggga ctgtgggctc tggagcctga 1740

```
ccacttggac tggagtcgtg gacacactgc ttctctggagg cgtgacctta gacaagtgtc 1800
tccacctttc tgggtctcag tttccccatc tctctgctcg ctgtctccgc caccgaaa 1857
```

```
<210> 4437
<211> 1063
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1064)...(82)
<223> similar to gi4680663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4437
tttttttttt ttaaaaatat attcatttat tcatatatat attcacttta caatactgca 60
ttttaacata cataaaaaatc taaagcgttt ttaagaattt ttcaaagtc tgtactgatg 120
ctttggcaat ctcttcacaa aatatttcat caggaataga tactagtttg tccaaagaga 180
tgtagttagg ttttgctgga tcatactgtg ctcttcctaa ataggtaaga aacaagtgtc 240
tttctttgac cttaaacagc cttgtattaa atacctgtgg gaacttgaca atgatgtggt 300
ggggaatgct catcacattg tgcacaaaat caaacgtctc ggtaagtttc attttatttg 360
cagttaacat ctttgggatt ctggtgatca tatgttgaat ttcgttatgt ttaaaaccaa 420
gttcaagacg ataaaccttc atattttctt tcacgggttc cagacttcca gttagcagcc 480
ttgggagacg aactaccaga tctctagtct tcttcacact aagttcaagt tctttctgaa 540
aaaatcccaa tctgttatcc agtctttcca ctgaaaagtt cagcaaaaat ggtgcttttc 600
tgaccatctg tgcaacatct gctttactga aattttttga atgcagataa gccaccctgg 660
tcttcagatt ttcaaggctc tcagagaaaa ttgcatgatt ttttgtcagg aatgctccca 720
gttggttatc ctctataccc acatctttta gaaacagaag catttgctta atgtcttttt 780
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ccacgcctag aagaaccaac ttctgcagag tctcagaatg atccacatag tctogaagtg 900
tgaatgaagc tgggtggcaat ggagggtctg caataatctg aatagcctct tctctgaaa 960
ttggctgcat tggagacaat ggaggcaatt catccagttc ttctagaaac agctcagaat 1020
caaagctgga tatattttgt gtcttctgtg actgttcatt cat 1063
```

```
<210> 4438
<211> 5286
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(5287)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
```

<222> (1)...(4588)

<223> similar to gi5689461 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4438

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tggtacttcc	cactgcagaa	gtcctactgg	ctgggcagtg	ggcggacaga	agcctgggag	120
tggagctggc	cgtgggcacg	cacccccgc	ctcagtgtca	tggaggagga	ccaggcctgt	180
gccatggaga	gccggcgctt	tgaggagacc	cgtggcatgg	aggaggagcc	caccacactg	240
cctctggttg	tctgcgtgga	caaactcacc	aagggtctaca	aggacgacaa	gaagctggcc	300
ctgaacaagc	tgagcctgaa	cctctacgag	aaccaggtgg	tctccttctt	gggccacaac	360
ggggcgggca	agaccaccac	catgtccatc	ctgaccggcc	tgttccctcc	aacgtcgggt	420
tccgccacca	tctacgggca	cgacatccgc	acggagatgg	atgagatccg	caagaacctg	480
ggcatgtgcc	cgcagcacia	tgtgctcttt	gaccggctca	cggtaggagga	acacctctgg	540
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cagagcctcg	gctactgccc	gcagtgtgac	gcgtgtgtcg	acgagctcac	ggcccgggag	3720
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ccccccccaa	ccccagctg	ccatcgctct	cccaccagc	ttggccccct	gcccggccac	5220
ctccctggga	gccngggcct	gtacatagcg	cacagatgtt	tgttttaaat	aaataaacia	5280
aatgctc						5286

<210> 4439

<211> 1569

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1503)...(507)

<223> similar to gi3879146 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



```

<400> 4439
tttttttttt ttgtcctttt gtgttttttt ttttcttttg agaccaacat ttttattaat 60
aagataaaaag gaaagagtgg taaagcaaag gcgatcattg gatggaatga ttatgtgtca 120
cgagcacttg aggacctaga aagcaaaccg gagtgattat gccaatcaaa ttgcaagggtt 180
ggagatatgc taaaagggtg gaaggaatcc aatcctgggg ctattgcaca ggacttgggg 240
aaatcaagtt gctgcaagca gctatgactt gaggaagggtg tgcagtgggg gaccttaaac 300
catttccaac atctgtgcct ttgaaatatt ttattactga tccagatata ccaagacatt 360
ttaaattggga agggaaaatg tactatacta gacccaaatt ctctgggata ttacattcc 420
atccctgtct agggatgtgg ggggaggtga atctgtcagt ggatcagatc agactagaag 480
gttcttgtga ttaatggagc tgggccatct ctaagaaaaa ggcagcaaata aatttgggtc 540
cctctatgta gttccacctg ttgattttct cattctgcga atgttctcca tcatcaacag 600
ctcccagcgg aattagcacc acgctcttgt ggacgatctc ctggaacatt ttggcaattg 660
gaatgggtgga tccatcccgg atcatatctg gttctgttcc aaacactgtt ctgatcgctc 720
tttttgctgc gagatactgg gtgtcatcaa ttttgcaat ccacgggtgt agtcctagag 780
tcatggaaac aaccatcttg ttggaactat ttcttttgga gaacacatct tcaagatgtc 840
gtgtcacctg tttttccacc gcagacacat tcatgtgagg gactagacgg attgaaaatt 900
ttcctataac tcggccaggt atgactgttt tagttccagg ctcatcaaac gcgccctcga 960
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ctttgtatgt atttatttcc tcttctgtaa gaggaaccac ttcatcatag attccaggga 1140
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gttcatgaag gatgccacca aaggttcctg agtgaaaatc ctggtctctg catttcacct 1260
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tttcacaag ttctccagg gcaacagagc cagcctcttc catccctca atgatgaatt 1440
tgatattcac aggaagatct tgctccaggg ctttgaaggc gtcacagca ttgatccaag 1500
cccagtcaag gtctctcatg caggctcgctc ttagaccgta gagggataaa cgtgggtctcg 1560
ggcagtcgc 1569

```

```

<210> 4440
<211> 2858
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2859)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2618)...(1776)
<223> similar to gi1086794 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<400> 4440
tgaaggatgt agtgaggatg gctttgtagc cttaggactg ggcagtgatc aacgcagtaa 60
atgaaagctg cgattgccag gtgagggccc cgggtgctctg tactcatttt attgtgcccc 120

```

tatctgaaca	ggattccgta	gaaatgactt	agatgcttat	ctagtatttg	acattgagat	180
atattttttg	tgaacaacatc	gcaagcgatt	ttaaattcccc	acatactatt	tgattaagtg	240
caacatggta	cagtcattgtg	taatctcttt	acacgatagt	gcatctagtc	cttagccttt	300
agttattgca	caacaattat	aaagaccagt	gaccaggaca	cgtggactct	gacaggcaga	360
tcggcctaca	caacgaaaaa	tcagaacagt	acaccaactg	gaatgggtcaa	acaattttaag	420
tcaaatgttt	taatgggtgca	attaaaataa	gggttcaaac	atgttttcaa	tatattaatt	480
tctttaaagt	catgttcagg	caaggtgctg	tttaaaaaac	cactattagc	tttgtccaca	540
catgtaagtt	atcaaaagtt	acccaaggta	attttgacgt	tgaatgcagc	tttaaacaat	600
aaaaaaatgg	tattaggttt	acttctcgaa	gcaaagagag	cccccaacct	tgtaaactaa	660
acattctgac	acaaatgcac	aaaattaagt	tggcaacatt	aattttgaga	tgtagtgtga	720
tgctgagcaa	acttttggtc	ttgactcttg	aaataattaa	agagagcagt	tctccgtttt	780
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gattcccata	taaacctgga	ggacacagga	aacgccagat	ggaaaaactg	gctctggcctt	900
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tcacatacgc	tctgtctca	ggaaaacatt	caagattagc	tagccccag	gtggttgtac	1020
ctcattgggtg	aaaggcttgg	gatggtttga	tctcatggct	ttgctgatg	ttcacataaa	1080
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gaaaaggctc	acagaattcc	tctccccacc	ctccagacac	attgcacact	gacattctct	1260
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cctacagtac	agatggcggc	caagaacccc	acacatccag	ctcgatgtca	caatatgggg	1680
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aattttatca	acaaacctca	taatcttact	tgttcgatga	cctccaacgt	accttcagc	2160
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gggtggaacc	tctggcaact	tcttcccagc	tgtggggctg	ctctccgcac	tctgcagggg	2700
gctcctctgg	gggcttcggc	tttctctggg	gacacacctg	cccatgtaca	cgctgtagtc	2760
gagaagcatc	ttctgcccga	cgaagcctgc	cagctccttc	tgctttgggt	gtgacatgat	2820
cctcgtgcc	ancttggcgt	antcgtcgta	cgctcgcg			2858

<210> 4441

<211> 1123

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (28)...(281)  
 <223> similar to gi1439654 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4441

cgacccacgc	gtccgcccac	gcgtccggaa	gaaataaaaa	atttgattct	accatatatt	60
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aaaggatttg	acaaagccac	ttttgaaagt	cagatgtctg	tgatgagggg	tcagatctta	180
aaccttactc	aggcattgag	agacgggaag	agtcctttcc	agctagtaca	gataccttgt	240
gtgattgtgg	aacgcagtca	aggtggaagt	cagggtcgga	ttgtccacct	gagcaattcc	300
tttaccacga	ctgtcaattg	caggaagcca	tttttttcc	cctggtagta	aatgtcagag	360
taagagaaac	aaactgttta	gaattatcat	gtttttaaaa	catcatagta	atataaatct	420
gctgttagga	gctccagttg	ctaaaacctc	aatttaagtc	tttaaaaggt	tgtattttga	480
atgtaaccaa	aagtttacag	ttttttgtcc	aaatattaaa	tttctatttc	agggaagaag	540
tgctatatct	cctatatatt	attttttag	aaaatttgta	ttttatgttg	ttgttagttt	600
aaaaggtaat	tttacacatg	ctggaatgac	tgtaattact	ctagaattcc	aagtagaata	660
caataacttt	taatattgag	agaatgttc	atgctaattc	ttcttacatt	acaaaaggcc	720
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aatagaggac	catttttggt	tttgtacttg	agaatatatt	tgggtgaatta	ctttgttgta	960
gtgaggaaaa	aacctaaaga	atttccccct	tttttaaaaa	atggaaatat	tcaattgaga	1020
cttgagggga	ataatagaaa	attaaggtag	atcccccccc	aatatttttg	aataccaaaa	1080
ttgccttaaa	aattcccttc	tgctgtcttc	tgcagccgt	ata		1123

<210> 4442  
 <211> 2133  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1155)...(1587)  
 <223> similar to gi5832793 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4442

gaatgtacat	ggaaaggatg	gacaaaagag	ctctgattag	tttttgggaa	tctgtggaac	60
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tctttgtgga	gagcaaagaa	atatctgtgg	aaaaatcact	ttacaaagaa	attcagcagt	180
gtctttagga	aaataaaggt	attgaagtat	tctacaaaat	ccaggaagat	gtttatgaga	240
ccctaaagga	taggtattac	ccttcattta	ttgtcagtga	cctgtatgag	aaattggtga	300
taaaagagga	agaaaaacat	gcctcacaga	tgatttccaa	caaggatgag	atgggcccaa	360
gagatgaggc	tgggtaggaa	gccgtggatg	atggtaccaa	tcagatcaat	gaacaagcca	420
gttttgctgt	aaacaaactg	cgagaactaa	atgagaaact	tgaatataaa	aggcaagctc	480
taaattctat	tcaaaatgca	ccaaaacctg	acaagaagat	tgtttccaag	ttgaaggatg	540

aaataatcct	aatagagaaa	gaacgcacag	accttcagct	gcacatggca	agaacggatt	600
ggtggtgtga	aaaccttggc	atgtggaaa	cctccatcac	cagtggagag	gttacagaag	660
agaatggtga	gcaattgcc	tgttactttg	tcattggttaag	cctacaagaa	gttggaggag	720
ttgaaactaa	gaactggacg	gtccccaaaa	ggctcagcga	gtttcataat	ttacaccgga	780
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ctttcaaate	tatagatcac	acgtttatgg	aaaagtttga	gaatcaatta	aataagtttt	900
tacagaatct	gctttcagat	gaaagactgt	gtcagagtga	agcactttat	gccttcttga	960
gcccttctcc	tgactacctc	aaggttatcg	acgtgcaggg	aaaaaaaaat	tctttttcat	1020
tatcctcatt	tttggaaga	cttcctcgcg	acttcttctc	ccaccaggag	gaggagacag	1080
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tgagaagaac	attaattgcc	ctcgttcagg	tcacttttgg	aagaaccatc	aacaaacaaa	1260
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tccgggatgc	tttttggcca	aatgggaagt	tggcaccacc	gaccacaatc	agaagcaaag	1380
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cactgcaaga	aacaagagcc	aacaagcatc	tgttatatgc	gctgatggaa	ctgctgctaa	1560
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tgttttaaaa	tgaactatga	atattgtaca	gttaattttc	tactgagga	ctgtgaacat	1980
tcttatatta	tttcatgtat	attgaagaac	attgttatgc	aatgctttgt	gtaaagttat	2040
tgtgaagatt	ttattgtctt	tatttttacc	aaagatttcc	catagtttga	gcattcaaag	2100
caataaaaata	taaaaatgaa	tcacaaaaaa	aaa			2133

<210> 4443

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (541)...(372)

<223> similar to gi496139 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4443

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acaaagactt	caggtaaatt	atagtacttc	catgttagct	gtgcatgtcc	accacgcttt	180
gtctgtaact	cgagtagaaa	aagatgttgt	gtttttaatta	atcattcctt	acaattcaag	240
atgaactcca	catattttaag	aattcttggc	tgaagaaaa	gtcttcaaga	tactggatgc	300
ctctcaccac	tttgacaata	aacacacaag	aaaaccattg	tgtaaggcac	tcaaaagggt	360
cttatcaatc	acgagagatc	agtcacactg	acattcattc	ccatgccagg	actcacgtaa	420
gggacagcat	gcactgcttt	gggaaattct	ggagtcataa	cacgtccatt	ttctccagta	480
cttcctgtaa	ttgacagcct	tgcttgttcc	ctcatggcat	cattcaaggt	catcttaaatt	540
gagagaggag	ggaaagaaa	aaaaagagat	catacgttat	ggttttcaaa	tgcat	595

<210> 4444  
 <211> 2078  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(1411)  
 <223> similar to gil464742 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4444

cggcccat	attgacct	gcaaaggg	ccacatgga	agattaaa	60
catccaaat	tttacgaat	cctcaacata	ttgggaggg	aatccggaa	120
gcagaggat	tatggaatat	cctttcctga	taacaagatg	atgagagact	180
ccaagaggaa	gcaaagaacc	gagatcacag	gaagatcggg	aaggaacaag	240
tttccacgat	ttgagtcctg	gaagctgttt	tttccttccc	agaggagcct	300
tacgcttaca	gatttcatac	gagaggaata	tcacaaacgg	gacttcacgg	360
tcccaatatg	tacaacagta	aactctggga	agcctcaggc	cactggcagc	420
gaacatgttt	acctttgaga	ttgaaaagga	cacttttgcc	ctcaaaccga	480
agggcactgt	ctaagtgttg	cccatcgccc	acgatcttgg	agggaaatgc	540
tgctgatttt	ggagttctgc	atagaaatga	actgtcgggg	actctcagcg	600
agtggagcgc	ttccagcagg	acgatgctca	cattttttgc	acagtggagc	660
agaaataaag	gggtgtttgc	agttttttgca	atctgtttac	tcaacatttg	720
tcaattaaac	ctgtcaacaa	ggccggaaaa	cttcctagga	gagattgaga	780
ggctgagaag	caactgcaga	acagcttgat	ggactttgga	gaaccgtgga	840
aggagatgga	gcattttatg	gccctaaaat	tgacataaaa	atcaaggatg	900
ataccatcaa	tgtgctacaa	ttcagctgga	cttccaactg	cctatttagat	960
atatgttagt	aaggatgggg	atgataagaa	gagacctgtg	atcattcatc	1020
gggatcagtg	gaaagaatga	tagccattct	ttcagaaaac	tatggcggaa	1080
ctggctatct	cctcgtcagg	tgatgggtcat	ccctgtgggg	ccaacttggt	1140
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cagttgtaca	ctaaataaga	aaatacgaaa	tgcacagctg	gctcagtata	1260
ggtggttgga	gaaaaggaaa	agatagataa	tgctgtaaac	gtgcgaacaa	1320
aattcatgga	gagattttag	taacttctgc	cattgataaa	ctgaagaatc	1380
acggacactc	aatgctgagg	aggccttttg	aagtccttcc	ctgatatttg	1440
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gacatgcacg	aagtttaatt	tactcatgtc	cacggggggac	gttttagagg	1620
attttccagc	aatcaatgcc	ttgagaaact	taaatggggg	aatattattc	1680
tgaacaaaaa	cactaggaaa	tgattatgaa	atgttagtga	ttttccaaaa	1740
caaataaaag	tctgccagag	ttttttttta	aataggaggg	aaaatcctta	1800
atgtcctcag	gtatttttat	gaccttccta	cctaaaattc	cacacctgaa	1860
cctaaactgg	aatccattac	cttaatttta	actaaccaac	aaccacaaaa	1920
actgcctaaa	tattggatta	ctgacaaaag	aattcagttt	tgtggaatct	1980
ctatagggtta	agagttgcca	tttaaattgt	tcttattcat	aattagggtt	2040
tagaaaaaaa	taaattccca	aatgaattgc	aaaaaaaa		2078

<210> 4445  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(155)  
 <223> similar to gil881713 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4445

cttcaagatc	cagaagacga	ggctgcagcg	agagggcttt	gacccacgcc	agacctcaga	60
ccggctcttc	ttcctggacc	tgaagcaggg	ccactacctg	cccttaaag	aggcagtcta	120
cactcgcata	tgctcgggcg	ccttcgccct	ctgaagctgt	tcctctactg	gccacaaact	180
ctgggccttg	tgggagaggc	cagcttgagc	cagacagcgc	tgcccagggg	tggccgccta	240
gtacacaccc	acctggccga	gctgtacctg	gcacggccca	tcctggactg	agaaactgga	300
acctcagagg	aacctgtgcc	tctctgctgc	cttggtgcc	ctgtgtctgc	ctcctctccc	360
tgcttttcag	cctctggctc	cttccatccc	tgtccctgtc	tgcccttaac	tcttccc	417

<210> 4446  
 <211> 2378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2376)...(1477)  
 <223> similar to gil072384 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4446

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ttgggctaga	tgttttcaga	ttatgcttaa	ataaccgtgg	ttagaaattt	ttcaatgcat	180
gctttcctgc	cccacgcaat	ctccctgaat	ttagctaaaa	taatcaggca	caggacagtc	240
tcaaataatg	attaaaaat	gccatgctaa	taaacaaggt	tatctagaat	gcaacctcgg	300
tgcttttaaaa	acagatagaa	taaacctcat	caataagcat	tttcctaaat	ctctttgtgt	360
tatatcaacc	aacataaaaa	agggaaaaac	ataaaagtgt	ccctttataa	atgatattat	420
ttccagaaga	gaaagttgaa	acaaagggtt	gtaaagtctc	ctgaactatt	cagtttaata	480
accaattatc	cctcaatatt	acaaaataaa	atgactggat	caatgttgac	tcttctttga	540
tatcatttat	aaaatgcttt	gatattactt	actaagttcc	ctgataactc	aaacaaggta	600
aaattaacac	tttcattttc	agttattgct	attttagaag	aggattacca	ctttcattta	660
gatgaaactg	ttttaccaaa	gcctcctcag	atccaacaca	aagtaattct	tattgcctca	720

catttttaaaa	cagtattata	aatgatcttt	ataaaaaggt	ttaatccaca	aaactggaag	780
gcttttaaaa	aatgtctttt	tactcaaaac	tgtatcacag	tgcccttgat	tatctaatag	840
ataaaaagga	tttgaatttc	ctctatgaga	acagaacagt	ggacatatgg	tgtgctttgt	900
cttccccca	cctttatctt	tatagcacac	catttttgaga	ccaaaacaat	caagcatcta	960
ccatgctcca	gtccacatta	acagaggatt	tctgatgctg	tccagtgcgt	agtgtaccgc	1020
cttgcatatt	ccccacatga	aataaacata	atatacaaaa	tattgctgct	gtaaaaagtg	1080
tacatttccc	tcttccccct	acaaaaaaat	ctgtggaaaa	gtattaaatt	cccttaccct	1140
ttcataaaca	aaccaaaagt	gttcacacct	ttcagtctgt	aacagtccat	ttggaaacac	1200
agttccaaaa	tcattacaaa	ttggttatgt	cattgcattt	tctgtccaat	gttgccatct	1260
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ctatatcctc	catactgctg	accttgctcc	tgtgggtagt	taggatactg	aggacctgga	1620
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taatattgct	ggttcatgcc	ttctggagga	ccttgctccac	catgactgta	ttggtccccg	1920
taatagtctt	cctggcctga	gtactgctgt	gggtgggcct	gttgaggagg	tctataggga	1980
ggaatctgtc	tctgacccat	catatgattg	ccttggttaa	cttgacccat	cattcccata	2040
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ggaggctgct	gatgcatcat	tggaccttgg	tttggtgca	tactcatatt	tgggtctggga	2160
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ttcatggaac	tgtttgtcat	attgagttga	ttgggtccag	gtccctgcat	aggcatatgg	2340
ttaggccag	gcactctggc	gttcactctg	tctcgtgc			2378

<210> 4447

<211> 1820

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1627)...(1370)

<223> similar to gi3327144 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4447

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aaatgaatca	caagccatat	aaaattgaga	taaattggaa	aactctaagg	taagtaccat	120
gtctattccc	agctgcctag	aacaaagatc	cattaaaaat	ccatgggtgtg	aatttccacc	180
atgggtcaga	aggatgggaa	gactaagggt	ttcctggcaa	ctttcccaac	cgctccccc	240
caggtgcagc	gaggtgctcc	cctgggctga	ggaattcaaa	tacaggtgtg	gtttctaaac	300
gctgggaacg	aggcagatct	tgctgccaca	ccgagtggga	gcccgggagc	tagggattct	360
ggaaatccaa	acccagggcc	tggccattca	ccaggctgcg	ttgaagaatg	aagacaagga	420
gccaggcaag	acggtttctc	cgtgcatcca	tcttaagatg	cagccatggg	aaggaaactg	480
actgggggatg	ggagtttgtt	tcctccccaa	aactcatttc	tttgggttgc	ccgatgtcaa	540

ctcctgcctt	agacacccat	cccaaaccct	ccttctcctt	cattttttatc	ccttcatgtt	600
acaatgaagc	agtgaatgct	gcttcattgt	cttaaaactg	aaacagaaac	ggggaggtag	660
gtagcatgga	tgggggagtg	cacgaactct	ataggtacag	gatgaggatg	ccccgacta	720
gctgctatga	aacctgagtc	ctctgttcac	tctgcacaca	catcacagag	ggctgctggc	780
cggtggccaa	ggcatttggg	gagggcccca	tctcatggac	cctccagatg	ccccctcatc	840
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atggggcatt	caaactccta	ggaaagatca	caattttgct	cccactccca	aggggactag	960
gagtgggggtg	aaagagccca	tcgtactaga	gcgaatgtga	atccttatcc	ccagaggtag	1020
aatcatttta	cccagtaccg	gaaacacgag	cttccagttc	ttgtttttac	agtaactcct	1080
gatagcagac	cttgccctcct	cccacttcca	gtaccctctg	ccccttgcaa	agggggccaca	1140
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ggatggaggg	attgtgggtcc	aggatggcga	ggataatcct	gtccatgtac	tgcctcagcc	1440
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gaaccacatt	ctccacatcc	accatccccg	acctgcccgc	agcgccattc	ccacagatcc	1740
tgcacaggaa	accacacgtg	tgggcccggg	caccctgccc	cactggacac	agagactgct	1800
agaccacact	gcttgagccg					1820

<210> 4448

<211> 3734

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2391)

<223> similar to gi5882216 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4448

atgaaaatga	acctgagtc	agtggggatg	gcgcagctga	cttcatcctc	tgtgagcaat	60
gccttgccag	tctcaggaag	tcacctggga	ttggctgcct	cacccactca	cagtgccatc	120
cctgccccag	gcctcccagt	ggcaattcca	aacctgggtc	cctccctgag	ctctctgcct	180
tctgctctgt	ctttaatgct	accaatgggt	attggggatc	gaggggtgat	gtgtgggtta	240
cctgaaagaa	actacaccc	acctccacca	ccttaccctc	acctggagag	cagttatttc	300
agaaccattc	ttactggcat	tttatcttat	ttagctgaca	gaccacctcc	acagtacatc	360
caccctaact	ctataaatgt	tgatggtaat	acagcattat	ctatcaccaa	taacccttca	420
gcactagatc	cctatcagtc	caatggaaat	gttggttag	aaccaggcat	tgtttcaata	480
gactctcgct	ctgtgaacac	acatgggtgcc	caaagtcttc	atcccagtg	tggccatgag	540
gtggccttgg	acacagcaat	cactatggag	aacgtttcta	gggttaccag	ccaatttcg	600
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gcagacgctg	taggacatgg	tgggtgtgata	cccatgcacg	ggaatggcct	ggagctccct	780
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agtgactcca	ttcacactgt	ggccatgagc	accaactctg	taagcgtggc	actctctacc	900



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aaggagaaca	tggcaacctt	gtttacaatt	tgggtgactc	tgtgtgaccg	cgcctatccc	1140
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atataccaca	atggtgtcct	agaattctgc	atcattacaa	ctgatgaaaa	tgaatgtaat	1440
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catgatggaa	aaatcttttt	ctgcacctca	caagatatcc	ctcctgaaaa	tgaactgctt	1560
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tgcccaagaa	attagctttg	atggaagcct	gagcaagtca	cctgcttatt	gtaacgtgga	3120
gatctttgta	ggtttagaca	tggctccctg	tctccagtaa	acatccagcc	attcagacaa	3180
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gcacaacctc	tgggctggag	tagaggactc	tgggtgggaag	gttttgctgc	taatgtattt	3660
atggaatgaa	tgtatttcat	tcaaactctgt	attcctctag	gaaggattaa	aattaaactt	3720
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<210> 4449

<211> 1262

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (15)...(656)  
 <223> similar to gi4406663 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4449

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caaaggctgc	tattttccaa	acgcagacat	atttggttag	tggaataaca	aagaccattc	180
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gagtggacta	ttccttagct	gtatacattc	acattcctgg	tgctaaaaaa	ttgatgctcg	360
aactgccatt	agtgatcggt	acaattccat	ataatggttt	tggcagcaga	aactccagca	420
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aagcaccacc	aaattatgca	gatgtggtac	cagaggaaga	attctctaga	cacattcctc	540
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ggttacagag	taagtgaag	ggtgcctgcg	ctgacgtgag	agaaaggaat	ctgtaaaacag	1020
tggaatacact	gtgggagttt	cccatggtga	agagtggaaac	gaaggcgata	tgaactgaag	1080
gggtgaagac	ttgattttgg	agagggcaac	aaaacaaggg	tgtgtgtgca	taggagaatg	1140
gcccactcca	aatacgaagt	gagatcctga	gtctttgggt	gcttcattgat	ttcctaccat	1200
attcaggcct	aaagacattg	aaaaagcatc	tcaataaaaa	ggaacatttt	ttttccctct	1260
tt						1262

<210> 4450  
 <211> 746  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(674)  
 <223> similar to gi3628757 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4450

atcaggatgt	ccccgagcag	cggagcatgg	agtaccctaa	gctgtatgag	ccgggccagc	60
tgaaccttct	cttcaacaag	cgggagttct	tcattctgcat	cgcccagggc	atctacacct	120
ccgtgctcat	gttcttcatt	ccctatgggg	ggtttgctga	tgccaccggg	gatgatggca	180
ctcagctggc	tgactaccag	tcctttgcag	tcactgtggc	cacatccttg	gtcattgtgg	240

ttagcgagca	gattgggctc	gacacaggct	actggacggc	catcaaccac	ttcttcatct	300
ggggaagcct	tgctgtttac	tttgccatcc	tctttgccat	gcacagcaat	gggctcttcg	360
acatgtttcc	caaccagttc	cggtttggtg	ggaatgccca	gaacaccttg	gcccagccca	420
cgggtgtggct	gaccattgtg	ctcaccacag	tcgtctgcat	catgcccgtg	gttgcccttc	480
gattcctcag	gctcaacctg	aagccggatc	tctccgacac	ggtccgctac	acacagctcg	540
tgaggaagaa	gcagaaggcc	cagcaccgct	gcatgcggcg	ggttgggccg	actggctccc	600
ggcgctccgg	ctatgccttc	tcccatcagg	agggcttcgg	ggagctcacc	atgtctggca	660
agaacatgcg	gctgagctct	ctcgcgctct	ccagcttcac	caccgctcc	agctccagct	720
ggattgagag	cctgcgcagg	aagaaa				746

<210> 4451

<211> 1774

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1248)

<223> similar to gil762 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4451

gggagactac	ctgcaggcca	gaattcactc	cctcaagctg	caggctgggg	ctgtgggcag	60
ggtggtggat	taccagaatg	ggttttacaa	ggttttcttt	actttgctat	ggccaggcaa	120
agttaaagta	tccgtatctc	tggtccaccc	cagtgaaggg	atcagagttc	ttcagcgctt	180
acaggaagat	aaaccagaca	gggtctattt	caagagtctc	ttccgttcag	gaagaatttc	240
tgaaactact	gagtgaacg	tgtgtcttcc	tgggaatctg	ccctgtgtga	actttacaga	300
cctctacact	ggggagccct	ggttctgctt	caaaccaaa	aagctccctt	gcagcagcag	360
aattacccat	ttcaaagggtg	gatacctgaa	aggtctccta	accgctgcag	agagtgcctt	420
cttcagaggt	ggtgtcaata	tcaaaatgcc	agtcaactcc	agtggacctg	attgggtaac	480
tgtgattccc	aggagaataa	aagaaactaa	cagtctagaa	ctatctcaag	gctcaggaac	540
ttttccttct	gggtattatt	ataaagacca	gtggaggccc	agaaagttaa	agatgcgtca	600
gtttaatgac	cctgacaaca	ttacagagtg	cttacaaga	aaagtgggtg	atattatttg	660
tgactcaaca	atcaggcaat	ggtttgata	ccttactaca	ttgtttccag	atattagtga	720
gtttaacttg	ggtagtccca	agaatgtggg	tcccttcctt	gcagtggacc	agaagcacia	780
catcctgtc	aaataccgct	gccatggtcc	acccatccgc	ttcacgactg	tctttagcaa	840
tgagctccat	tatgtggcga	atgagctgaa	tggcattgtg	ggaggggaaga	acacagtggg	900
tgccatagct	gtatggtctc	acttcagcac	cttccttttg	gaagtgtaca	tccggcggct	960
caggaacatc	cgtcgagcag	tggttcggct	cctcgatcga	agcccaaaga	ccgtgggtgg	1020
catccggacg	gccaacgccc	aagagctggg	acctgaggtg	agccttttca	acagcgactg	1080
gtacaacttt	cagctggaca	ccatccttcg	gaggatgttc	tcaggggttg	gagtatatct	1140
cgtcgatgcc	tgggagatga	ccctggccca	ttatctaccg	cacaagctgc	atccagatga	1200
agttattgtg	aagaaccagc	tggacatggt	cttgtccttt	gtgtgcccct	tggaaacctt	1260
gcctgtcttg	gaagggactg	gaggaaatcat	attcaatgac	cttctcaatt	gacctgagtt	1320
acagaaagtg	gccccagtga	gagatgactg	cccttaataa	gtataaaatt	tcaaaaagat	1380
ctggacttaa	tatgatgact	tataaggagc	ttaaaaaatg	caggttacat	ttatatctac	1440
ctataggatt	ttatccaatg	ttgacttagc	catggtagaa	ctcttaactg	catctacaca	1500
ctatattgct	cttgtaacca	aagatgctaa	tgagtgtatt	tgaattagct	tctcctagga	1560
ggggtgacta	ctttgctaaa	gagtatgaaa	aatgttttga	tggaggggac	aagtttggtt	1620
ggtagtagag	tgttttagc	ttatctggta	aaggaaattg	agtgcactcg	catgcatagc	1680

```
acaagtaatc catcttctgg cggttaacta gagaaagctt atagtcagag gctcttgtga 1740
atgcactgaa gactgctgtg tctcaggagt ttct 1774
```

<210> 4452

<211> 1729

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(491)

<223> similar to gi2317725 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4452

```
cgctgcgcag ttttgttctg ctccagctgt tcgaagggtga tccaggttgg ccaggttcat 60
ggcggccttga tgggaattat tcagagagct atgggtcaagg cttgtcctca tgtctgggtt 120
gaacgctcag aaatgaagga tcgacacctg gttactaaga gactaaaaga acatattgct 180
gataagaaga aactacccat actaattttt cctgaaggaa cttgcatcaa caatacttca 240
gtcatgatgt ttaaaaaggg gagctttgaa attggaggaa ccatacatcc agttgcaatt 300
aagtataacc ctcagttcgg tgatgcattt tgggaacagta gtaaatacaa catggtgagc 360
tacctgcttc gaatgatgac cagctgggcc atcgtctgtg acgtgtggta catgcccccc 420
atgaccagag aggaaggaga agatgcagtc cagtttgcta acagggttaa gtctgctatt 480
gctatacaag gaggcctgac tgaacttccc tgggatggag gactaaagag agcaaagggtg 540
aaggacatct ttaaggaaga gcagcagaaa aattacagca agatgattgt gggcaatgga 600
tctctcagct aagaggacgg atgacagcct ttagatctag aactagccct tagaaatgga 660
atggcttttt ttgttttgtt ttgttttatt gttttgtttt tattattggt aatcttttct 720
acagaatgat tgtctctacc tctttatgcc agaggcagaa cctacagggtg cccttttttg 780
cttttgttgt tgttgtaaca ttagcccat ggattgtaag gtggtttact gagttaaac 840
agattctgct tttgtaaaat gatggcatca ctgtggactg aatgaaatat ttgtatagaa 900
aaaagtgcct gaaaagtgtg tttggaactc atcgataggg taattctcca aaaatgcccc 960
aactctcttt ctgtaattag ccttgccact ttcttcagtc acttaaattg tgagattaca 1020
catcagtgca agatgaccat tatggttatg gtctactgca aggttgaaag gaaaaatgga 1080
ggattgtatt taggaaaagg gacaactttg tggccacctg ctctgaaagt caaaaggaaa 1140
tgtaaattag tgtcattagt gtgttggaag agaaatacta ttcagtaagc ttcgccaaag 1200
aaaagtgagt caaagttaat gtgtgtgtgc atttatatgt aggcagctcg tagaccacat 1260
tttagccagc aactggtaac aaagagctta gttttccttg tttgaatgct gtagatctgt 1320
acctagtacc cctcccatct actgatttgt ttgtttttgt aaccaaacac attttcagat 1380
agaaggagcc ttaaaaaaaa aaaaaatcac attgagtaac ttcagtataa atgaatgaaa 1440
ggggggggag ctaccctca tctccaccc ctttgggctt tttattcccg aattttccca 1500
gtcttttaaa caaaaaaagg actgatataa ttattttttg gaaactgagc ctttaattttt 1560
tttagagggg gaaataagtt ttcccaact cacacagcat aagcaatgtt tgacagcaat 1620
ataatgccgt tgtaaaactac tgagagtatt gtatctgttc tggtaaccat gtacagaatg 1680
tgaaactgtc ttatgaatat aaataaatc tatatttcta aaaaaaaaaa 1729
```

<210> 4453

<211> 2049  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1771)...(736)  
 <223> similar to gil065948 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4453
tttttttttt ttggtgagtt tcaatatttt attaaaatag catatttaac catgggttaac      60
caagaatatg ttaactttgt gcccccaaac ctgccccgcg cccagatacg cagcaaaaca      120
cagtagtgat ttcaaatact cttgatcatg accaacagga atatttcaaa gtcaagtttg      180
caactcaaaa gtagaccttg gaaaaacttt gaattaaaag agaaacataa agctctcaca      240
cagaattctt ttatctgccc taaaatcaat gccggcgcac caccacctga caatactgct      300
aggatttttc tttatgcata gtataacgac tcatttatta agtaccctact tttataaata      360
aaatcggcat tttttgtccc gcttaatggt ccttttcagc ttcacaaaga aaccagtaaa      420
taaaactgtc aacgacagtc acaacatatg ctctcacagc aagataaaaa aacttgaaaa      480
tacgcagaga tgcactctacg ctattttaca taaaagaga gattcaaaaa gtgcaaggca      540
aaatctgcag ttttttgagg ggagctttta ggcacatcca tttcattaaa gcaagcttca      600
gaatgaaatt ccagtttgtt cttcatgaca cctgttaaag tctttcttta aacgacaaca      660
aaaaaaagcc aaaaatacat cccatcaagt gtacaatggt agtcttgtgt cctaaaagtg      720
aggagtccag ctgtggcgag tccgtccttt ctttattctg gcaggctttg gtttggggat      780
gtactgatta tttgcttggt actcgagttc tttacggaag tagtgaattg ctttgtttaa      840
accttctctc agcgggacca cgggctccca cccagcatc agctttgctt ttttgatgtc      900
tggttttctt tctctgtggg catcctgggc ttcggagaga aactgaattt cacttccgct      960
accaacaagg tttttaatta actgagcaaa ttctaggatt gtgtgttctt ctgggttccc     1020
caggttgacc gggctgctga cgttgctgtt ctgagagcc acgaggccat tcactagatc     1080
gctgacgtac tggaaacgcc ttgtctgaga cccggatccg tataccgtga gtggctcccc     1140
ctggagcgcc tgcaggatga agttgctgac tactcgccca tcgttcatgt gcatgcgtgg     1200
cccaaagggt ttgaagattc tggccactcg cacttccacg ccttctgct tcatgtaggc     1260
atagcacatg gtctctgcaa cacgtttgcc ttcactgtag caggcccgag gtcctattgg     1320
attcacgtgg cccagtaat cctcactttg aggggtggact tcaggatctc catacacctc     1380
cgatgtggag gccaggagca gacgggcacc gactcgtttt gccagcccca acatgtttaa     1440
tgtcccaatc gtattggtct ttaatgtctt gataggatta tacatgtagt ttggagggga     1500
ggctggagat gccagatggt atatctgggc aacctcgatg tagaggggct ccaccacgtc     1560
gtggttaatc aactcgaagt tctcatgtcc gatccagtgc tccacgtttc tcttctgcc     1620
cgtgaagaaa ttgtccacca cggtcacctc gtggccgtcc atcatgagtt tgtcagttag     1680
atgggagccc acgaaccctg cgctcctgtt tatcaaaatt cttttccgat ccttttctga     1740
taaaaacttt actggtgggt atttctgggt aaagcttttt tctaaatctc tgattttctc     1800
tcttagtggt tcaaccatct cttcaatctt gctttcaatt ttagttcac cattttcctg     1860
gatagacctg ttgagtagaa agctcatatt aacgaagttg cccaaacag aggcgacgta     1920
ggccagcaag gcgatgccc gcagcagctt catcctcctg cggttgacgg cagacacgag     1980
gcgcagcagc gccttgctca ccatccccgg gagccgcgcg ggtccagggc cctgccgcgc     2040
gggggccccg                                     2049

```

<210> 4454  
 <211> 1771  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (95)...(1536)

<223> similar to gi5834572 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4454

gtttgctcac	aatcttaaat	gaacaggtct	ccagctatag	aggtcctgaa	aagagggaga	60
aggcattgga	aactaactgt	agctctggat	ttcagtttca	gcggatgttc	tctccagctt	120
tcaacagacc	ttgcactcaa	ctttgctgaa	tcccattcca	aaatgtcggc	cagcgctctg	180
caccttacta	tctcatgact	tcttcagaaa	tgattttctg	gaagttgtga	atctcttgaa	240
aagtttaaca	ttgaagagt	aagaggagaa	aacggaattc	tttaaatttc	tgctggacag	300
agtcagctgc	ttgtcagagg	aattgatagc	ttcaaggttg	gtgcctcttc	tgcttaatca	360
gttggtgttt	gcagagccag	tggtgtttaa	gagttttctt	ccttatctgc	ttggccccaa	420
aaaagatcat	gcgcagggag	aaactccttg	cttgcctctca	ccagccctgt	tccagtcacg	480
ggtgatcccc	gtgcttctcc	agttgtttga	agttcatgaa	gagcatgtgc	ggatgggtgct	540
gctgtctcac	atcgaggcct	acgtggagca	cttcactcag	gagcagctga	agaaagtcac	600
cttgccacag	gttttgctgg	gcctgcgtga	tactagcgat	tccattgtgg	caattactct	660
gcatagccta	gcagtgtctg	tctctctgct	tggaccagag	gtggttgtgg	gaggagaacg	720
aaccaagatc	ttcaaacgca	ctgccccaa	ttttactaaa	aatactgacc	tttctctaga	780
aggcgatcca	ttttctcagc	ctattaaatt	tcccataaat	ggactctcag	atgtaaaaaa	840
tacttcggag	gacagtga	acttcccac	aagttctaaa	aagtctgagg	agtggcctga	900
ctggagtga	cctgaggagc	ctgaaaatca	aactgtcaac	atacagattt	ggcctagaga	960
accttgatgat	gatgtcaagt	cccagtgac	taccttgat	gtggaagagt	catcttgga	1020
tgactgcgag	cccagcagct	tagatactaa	agtaaaacca	ggaggtgga	tcaactgtac	1080
aaaacctgtt	acctcagggg	agcagaagcc	tattcctgct	ttgctttcac	tcaactgaaga	1140
gtctatgcct	tggaaatcaa	gcttaccctg	aaagattagc	cttgtacaaa	gggggggatga	1200
cgcagaccaa	atcgagccgc	caaaagtgtc	atcacaagaa	aggccctta	aggttccatc	1260
agaacttgg	ttaggagagg	aattcaccat	tcaagtaaaa	aagaagccag	taaaagatcc	1320
tgagatggat	tggtttgctg	atatgatccc	agaaattaag	ccttctgctg	cttttcttat	1380
attacctgaa	ctgaggacag	aaatgggtccc	aaaaaaggat	gatgtctccc	cagtgatgca	1440
gttttctca	aaatttgctg	cagcagaaat	tactgagggg	gaggctgaag	gctgggaaga	1500
agaaggggag	ctgaactggg	aagataataa	ctggtgacaa	tagatgtgag	ttaaacttta	1560
ggaaaaagga	ttcccttttt	ttaaaaaaa	tcaatacctc	aaaagcaggc	tttgggacaa	1620
gaaaacccca	aagtggcctg	cttttcccat	cccaggagct	cattatccag	tctgtgccaa	1680
ctgaagtagg	agactgactg	tgagtgtctg	ctaaaagccc	tgggtggtga	ggctcacagt	1740
actgggtttc	aggaggaaga	gcctttgtgc	t			1771

<210> 4455

<211> 2283

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1567)

<223> similar to gi870751 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<400> 4455
atggcggcgg ttgtcgcggc gacgaggtgg tggcagctgt tgctggtgct cagcgcgcgc 60
gggatggggg cctcgggcgc cccgcagccc cccaacatcc tgctcctgct catggacgac 120
atgggatggg gtgacctcgg ggtgtatgga gagccctcca gagagacccc gaatttggac 180
cggatggctg cagaagggct gcttttccca aacttctatt ctgccaaccc tctgtgctcg 240
ccatcgaggg cggcactgct cacaggacgg ctacccatcc gcaatggctt ctacaccacc 300
aacgcccatt ccagaaacgc ctacacaccg caggagattg tgggcggcat cccagactcg 360
gagcagctcc tgccggagct tctgaagaag gccggctacg tcagcaagat tgtcggcaag 420
tggcatctgg gtcacaggcc ccagttccac cccctgaagc acggatttga tgagtggttt 480
ggatccccca actgccactt tggaccttat gacaacaagg ccaggcccaa catccctgtg 540
tacagggact gggagatggg tggcagatat tatgaagaat ttcctattaa tctgaagacg 600
ggggaagcca acctcaccca gatctacctg caggaagccc tggacttcat taagagacag 660
gcacggcacc accccttttt cctctactgg gctgtcgacg ccacgcacgc acccgtctat 720
gcctccaaac ccttcttggg caccagtcag cgagggcggt atggagacgc cgtccgggag 780
attgatgaca gcattgggaa gatactggag ctctccaag acctgcacgt cgcggacaac 840
accttcgtct tcttcacgtc ggacaacggc gctgccctca tttccgcccc cgaacaaggt 900
ggcagcaacg gcccttttct gtgtgggaag cagaccacgt ttgaaggagg gatgagggag 960
cctgccctcg catggtggcc agggcacgtc actgcaggcc aggtgagcca ccagctgggc 1020
agcatcatgg acctcttcac caccagcctg gcccttgccg gcctgacgcc gccagcgac 1080
agggccattg atggcctcaa cctcctcccc accctcctgc agggccggct gatggacagg 1140
cctatcttct attaccgtgg cgacacgctg atggcggcca ccctcgggca gcacaaggct 1200
cacttctgga cctggaccaaa ctctggggag aacttcagac agggcattga tttctgccct 1260
gggcagaacg tttcaggggt cacaactcac aatctggaag accacacgaa gctgccccctg 1320
atcttcacc tgggacggga cccaggggag aggttcccc tcagctttgc cagcgcgcgag 1380
taccaggagg cctcagcag gatcacctcg gtcgtccagc agcaccagga ggcttggtc 1440
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tgtgaaaagt tagggaagtg tctgacacct ccagaatcca ttccaagaa gtgcctctgg 1560
tcccactagc acctgcgcag actcaggcca ggcctagaat ctccagttgg ccctgcaagt 1620
gcctggagga aggatggctc tggcctcggt cctcccccaa ccctgcccaa gccagacaga 1680
cagcacctgc agacgcaggg ggactgcaca attccacctg cccaggacct gacctggcg 1740
tgtgcttggc cctcctctc gccacggcg cctcagattt caggaccctc ctctcgccc 1800
acggcgctc agacctcagg acctgcccgt ctacgcctt tgtgaacccc aaatatctga 1860
gaccagtctc agtttatttt gccaaaggta aggatgcacc tgtgacagcc tcaggaggtc 1920
ctgacaacag gtgcctgagg tggctgggga tacagtttgc ctttatacat cttaggggaga 1980
cacaagatca gtatgtgtat ggcgtacatt ggttcagtca gccttccact gaatacacga 2040
ttgagtctgg cccagtgaat ccgcattttt atgtaaacag taagggaacg gggcaatcat 2100
ataagcgttt gtctcagggg agccccagag ggatgacttc cagttccgtc tgtcctttgt 2160
ccacaaggaa tttccctgga cgctaattat gagggaggcg tgtagcttct tatcattgta 2220
actatgttat ttagaaataa aacgggaggc aggtttgcct aattcccagc ttgaaaaaaa 2280
aaa
2283

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<210> 4456
<211> 1498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (14)...(237)

```

<223> similar to gi3880213 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4456
cgtgttcctc agcgagcagg atgaggtgct actgatccag gaggccaaga gggagtgccg      60
ggggtcgtgg tacctgcctg cggggagaat ggagccaggg gagaccatcg tggaggcgct      120
gcaacgggag gtgaaggagg aggcggggct gcactgtgag cccgagacac tgctgtccgt      180
ggaggagcgg ggccccctct gggtcgcgtt cgtgttcctc gctcgcccca caggatggc      240
ccacctggag gcagtgtgaa cagggccagt tgacaccttt cccccagctc ctcggtgagg      300
tgagccccctc tacagccagt cctgttatgg ctggcacagc ctggcatggg cagattccag      360
cctttgggct gggggcctct ctctgggtc agggatgtct gttgactctg ccagagctgc      420
acttctctcc acacagaccc tccctgcccc atccccaca tctccccag gtggaattct      480
caagacttcc aaggaggccg atgcggagtc cctgcaggct gcctggtacc cacggacctc      540
cctgcccact ccgctgcgag cccatgacat cctgcacctg gttgaactag ccgcccagta      600
tcgccagcaa gccaggcacc ctctcattct gcccgaagag ctaccctgtg atctggtctg      660
ccagcggctc gtggctacct ttaccagcgc ccagacagtg tgggtgttag tgggcacagt      720
ggggatgcct cacttgccctg tcaactgcctg tggcctcgac cctgtggagc agaggggtgg      780
catgaagatg gccgtcctgc ggctgctgca ggagtgtctg accctgcacc acttggtggt      840
ggagatcaag gggttgcttg gactgcagca cctgggccga gatcacagtg atggcatctg      900
tttgaatgtg ctggtgaccg tggcttttcg gagcccaggg atccaggatg aacccccaaa      960
agttcggggg gagaacttct ctggtggaa ggtgatggag gaagacctgc aaagccagct     1020
cctccagcgg cttcagggat cctctgttgt cccagtgaac agatagagag gtggaggagg     1080
tgacagggag ctaggcagcc gtgtccctc cagtgcggac ttgtctccct ctgaggagg     1140
caagaggctg gcgatcaggg atcttgttgc attgggagca ggggcggctc tctggtccc     1200
caggagagaa tgctttgagg agcattcctc tagattgcac aagggacagt gcctttaacc     1260
aagcgaggag tccaaagctc aggacctgac taccctgagg gcacgtgac gcctctcccc     1320
agggggatgg ggagctttct gcacccccag tggcatctcc tcatcacgtt ctgtgccgtc     1380
cttgggaaag gcctgcattc tgatccttcc aggccttcg agcatggagg ggcactgggg     1440
aaggtcccc cagggaggag cacgttgctg agtaaagagg tgttactcaa aaaaaaaa     1498

```

<210> 4457

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature 1

<222> (7)...(623)

<223> similar to gil656005 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4457
ctcgcaccca tccccgagtc ctctcggac tacctactgc ccaaggacat caaactggcg      60
gtgctggggc ccggccgcgt gggcaagagc gcaatgatcg tgcgcttcct gaccaagaga     120
ttcattggag actatgaacc gaatacaggc aagctgtatt cacggctggt ctatgtcgag     180
ggggaccagc tctccctgca gatccaggat actcccgggg gcgtccagat ccaagacagc     240
ctcccccagg tcgtcgattc cctgtccaaa tgcgtgcagt gggccgaggg ttttctgctg     300

```



gtctattcca	tcacagacta	tgacagctac	ttgtccatcc	gaccccttta	tcagcacatc	360
cggaaggtcc	accctgactc	taaagccctt	gtcatcatcg	tgggcaacaa	gggggacctt	420
ttgcatgccc	ggcaggtgca	gacacaggac	ggtattcagc	tagccaatga	gctgggcagc	480
ctgttccctg	aaatttccac	tagcgaaaac	tacgaagatg	tctgtgatgt	gtttcagcat	540
ctctgcaaag	aagtgagcaa	gatgcacggc	ctcagtgggg	aaagaagaag	agcctccatc	600
atccctcggc	cccgtctctc	caacatgcag	gacctgaaga	gacgcttcaa	gcaggctctg	660
tctcccaaag	tcaaagcccc	ctctgcaactg	gggtgaacta	tctcagacag	atgcctctcc	720
ttttaatac	gcatttgtgc	agctaaaaga	ctgggcttct	cgctttttaa	tcacacat	778

<210> 4458

<211> 1278

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1064)

<223> similar to gi4959396 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4458

gctttatcga	aagctgttaa	attctcaggt	tgtcaggttc	tgccttcaag	ggttgttgga	60
aaatagtccc	catctaatat	gtataggagc	tcttaaaaaa	ctgtgcaatc	acccctgcct	120
tttgttcaac	tctataaagg	aaaaggaatg	tagctcaact	tgtgataaaa	atgaagaaaa	180
gagtctatac	aaaggcttgc	taagtgtgtt	tcctgctgac	tacaaccctc	tcctgtttac	240
tgaaaaggag	tcaggaaaac	tacaggtgtt	gtccaagctc	ttagcgggta	tccacgaact	300
tcgacctact	gaaaagggtg	tgttggtatc	caactataca	caaaccctga	acattttaca	360
agaagtatgt	aagcgtcatg	gatatgetta	tacaagactt	gatggacaaa	caccaatctc	420
tcaaaggcag	cagattgttg	atggctttaa	cagtcaacac	tcttcttttt	ttattttttt	480
gttaagttca	aaagctgggtg	gtgtaggact	taacctcatt	ggaggatctc	acttaattct	540
ctatgacatt	gattggaatc	cagccactga	cattcaggca	atgtctagag	tatggagaga	600
tggtcagaaa	tatcctgtac	atattttacag	actcctaact	acaggtacaa	tagaagaaaa	660
gatctatcaa	aggcagatca	gtaagcaagg	tctttgtggg	gcagttgtcg	acctcaccaa	720
gacatctgaa	catattcagt	tttcagtaga	agaacttaaa	aatttgttca	cattacatga	780
aagttcagat	tgtgttactc	atgatctgct	tgactgtgag	tgtacaggag	aagaagttca	840
tacaggtgat	tcgttggaag	aattcattgt	ctctagagat	tgtcagcttg	gtccacatca	900
ccagaaatct	aactccctga	aacctctttc	tatgtcccag	ctgaagcaat	ggaaacattt	960
ttctggagat	cattttaaate	ttacagatcc	ttttcttgaa	agaataacag	aaaatgtgtc	1020
attcattttt	cagaatataa	ccactcaagc	tactggcaca	tagtgaaaga	ttacttctga	1080
cattccattg	ctcttctttt	gaaaattagt	atggtaatta	aatgtacttt	ttgaaaatta	1140
atagaattat	ttaaattaca	gtatatgttg	caaaatatat	cacttttgat	acaatagtca	1200
aaattgagtg	gtttaatggt	ttgtaaatat	taagtgttta	aatgaaaaat	aaagatgtgc	1260
ttatatcatt	gaaaaaaa					1278

<210> 4459

<211> 1343

<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (143)...(727)

<223> similar to gi3880413 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4459

```
acccgggaga aggagggcca agatggcgga agcggaggag tctccaggag acccggggac      60
agcatcgccc aggccctgt ttgcaggcct ttcagatata tccatctcac aagacatccc     120
cgtagaagga gaaatcacca ttctatgag atctcgcatc cgggagtttg acagctccac     180
attaaatgaa tctgttcgca ataccatcat gcgtgatcta aaagctgttg ggaaaaaatt     240
catgcatgtt ttgtacccaa ggaaaagtaa tactcttttg agagattggg atttgtgggg     300
ccctttgatc ctttgtgtga cactcgcatc aatgctgcaa agagactctg cagatagtga     360
aaaagatgga gggccccaat ttgcagaggt gtttgtcatt gtctgggttg gtgcagttac     420
catcacccctc aactcaaaac ttcttgaggg gaacatatct ttttttcaga gcctctgtgt     480
gctgggttac tgtatacttc ccttgacagt agcaatgctg atttgccggc tgggtactttt     540
ggctgatcca ggacctgtaa acttcatggt tcggcttttt gtggtgattg tgatgtttgc     600
ctggtctata gttgcctcca cagctttcct tgctgatagc cagcctccaa accgcagagc     660
cctagctgtt tatcctgttt tcctgtttta ctttgtcatc agttggatga ttctcacctt     720
tactcctcag taaatcagga atgggaaatt aaaaaccagt gaattgaaag cacatctgaa     780
agatgcaatt caccatggag ctttgtctct ggcccttatt tgtctaattt tggagggtatt     840
tgataactga gtaggtgagg agattaaaag ggagccatat agcactgtca ccccttattt     900
gaggaactga tgtttgaaag gctgttcttt tctctcttaa tgtcatttct ttaaaaatac     960
atgtgcatac tacacacagt atataatgcc tccttaaggc atgatggagt caccgtgggtc    1020
catttgggtg acaaccagtg acttggaag cacatagata catcttacia gttgaataga    1080
gttgataact attttcagtt ttgagaatac cagttcaggt gcagctctta aacacattgc    1140
cttatgacta ttagaatatg cctctctttt cataaataaa aatacatggt ctatatccat    1200
tttcttttat ttctctctct taagcttaaa aaggcaatga gagagggttag gagtgggttc    1260
atacacggag aatgagaaaa catgcattaa ccaatattca gattttgatc aggggaaatt    1320
ctacacttgt tgcaaaaaaa aaa                                     1343
```

<210> 4460

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (917)...(760)

<223> similar to gi1542813 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4460

```
gctgcttttg acagacactg gaaggcacc cagaccctg gtggtggtgt aatccgataa      60
```

ctttatttta	attgaaaatg	gaggcataac	atgtcctaga	aaaataaaga	tttaggatac	120
aaaggagaca	cagcggcagg	gctgccccca	gggatgaggg	aatctttggt	ctgggccgga	180
taatgaggac	aagggcttga	gtcgagggga	gctggtgaag	gaagaccccc	gtctccccac	240
agctgccccca	ccccccgccc	ctggcaggaa	atgccacact	ggggagggtc	tccagtctca	300
ggggcgcggg	gctgcctgtc	ctccaccttc	ggattccagg	cagttgtgac	aacaccagct	360
atcggcagag	ctattaatag	tgtttcaggg	agtgcacagg	agagggctct	gggggctgga	420
agtcgggccc	tggggcaggg	tgttccgctt	acagctagta	ccaagtggag	ggggcagggc	480
ccctgagtca	ggaccctgag	tccccacgt	atatggcagg	gcacagcatg	gggagggctg	540
taacagagag	gcctcccatc	caaaggggga	tggagacctg	gacaggaggt	ggccggggat	600
acaacccccca	gcaccaccag	ggcttggaga	ggccaccagg	gcagaaggat	gtggtgactg	660
gggtcttcag	caaccgcatt	tctggggctc	ccccctccca	ttcctgtccc	tgcgtcttca	720
gcaccaatgt	cgggagaggc	cacggggcca	cactgggtca	cagttccaag	ggctcctcca	780
caggcaccca	ctggagctgg	gtcagaacct	tggcctcagc	ttccaacccc	tcgtcaacct	840
cacccccctgc	ggtggccccc	aggagcagcc	cctcagggtc	ggggtctggc	agcctcagca	900
cgggtgtgggg	ggcctg					916

<210> 4461

<211> 3957

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1411)

<223> similar to gi5441371 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters.

<400> 4461

atgtcttaca	gtgtgaccct	gactggggccc	ggggccctggg	gcttccgtct	gcagggggggc	60
aaggacttca	acatgcccct	cactatctcc	cggatcacac	caggcagcaa	ggcagcccag	120
tcccagctca	gccaggggtga	cctcgtgggtg	gccattgacg	gcgtcaacac	agacaccatg	180
acccacctgg	aagcccagaa	caagatcaag	tctgccagct	acaacttgag	cctcaccctg	240
cagaaatcaa	agcgtcccat	tcccatctcc	acgacagcac	ctccagtcca	gacccctctg	300
ccggtgatcc	ctcaccagaa	ggtggtagtc	aactctccag	ccaacgccgc	ctcttcagca	360
cctgccaccc	acaccagcta	cagtgagggc	cccgcgcgcc	ctgcacccaa	gccccggggt	420
gtcaccactg	ccagcatccg	gccttctgtc	taccagccag	tgccctgcatc	tacctacagc	480
ccgtccccag	gggccaatta	cagtcccact	ccctacaccc	ccacccctgc	ccctgcctac	540
acccctctcc	ctgcccctgc	ctacaccccc	tcacctgtcc	ccacctacac	tccatcccca	600
gcaccagcct	ataccccctc	acctgcccc	aactataacc	ctgcacctc	ggtggcctac	660
agcggggggc	ctgcggagcc	tgccagccgt	ccacctggg	tgacagatga	tagcttctcc	720
cagaagtttt	ccccgggcaa	gagcaccacc	tccatcagca	agcagacct	gccccgggga	780
ggcccagcct	acaccccagc	gggtcctcag	gtgccaccac	ttgccagggg	gaccgtccag	840
agggctgagc	gattcccagc	cagcagccgg	actccactct	gcggtcactg	caacaatgtc	900
atccggggcc	catttctggt	agccatgggc	cgttcttggc	accctgaaga	gttcacctgt	960
gcctactgca	agacttccct	ggcagatgtg	tgctttgtgg	aagagcagaa	caacgtttac	1020
tgtgagcgat	gttatgagca	attctttgcc	ccgctgtgtg	ccaagtgcaa	caccaaatt	1080
atgggggaag	taatgcatgc	cttgagacag	acatggcaca	ccacctgctt	cgtctgtgcg	1140
gcctgcaaga	agccttttgg	gaacagcctc	ttccacatgg	aagacgggga	gccctactgc	1200
gagaaagact	acatcaatct	gttcagcacc	aagtgccatg	gctgcgattt	ccccgtggag	1260
gctggcgaca	agtttatcga	agccctgggc	cacacttggc	atgacacctg	cttcatttgc	1320

gcagtctgcc	atgtgaatct	ggagggggcag	ccgttctact	ccaagaagga	cagacccctg	1380
tgcaagaagc	acgcacacac	catcaacttg	taggcggcca	aggccgcctg	tgctgacgag	1440
gcccggagct	gctcctgctg	ctggcaacaa	aggattcggg	aggctgatgt	ttcttctgag	1500
gggaatgggg	agagagagga	agcgactgag	cccattggaa	gtataatfff	aggttttttc	1560
ttctgtacac	agatcgtgca	tttgcatagt	tcagactagg	agccaaatga	agactcaaaa	1620
ccaagctagt	tattaatcca	agactggaat	tgtacttcag	acatttagag	cagaattcca	1680
agaactcaaa	agtgaaaagc	aacaagcagc	tttcccaaag	cgatacactt	gctttgggtca	1740
ccagaggagg	acagagctta	gagcagctgt	ggagaatctg	aagcattctg	cggagttctt	1800
aagcgactcc	cctggcaaac	aaattgaagt	gccaacacgc	acttcgctgc	agggattttc	1860
tagagtcata	gctcgagagc	ttgttagctg	aagccctta	ggctttcctc	accaaaaaag	1920
gaggtgttat	tccattacta	gcgtcatgga	gctacctctg	cgcatcagac	ttcagacctt	1980
gaacaaactt	aaaaccttct	tgggagcccc	gacgtccaaa	gagatgtctt	ctgggagcca	2040
ctgggcaatt	gccagggtc	caggaagggc	tctggctcag	gttgacagaca	gctgagaaaa	2100
gatggccctg	tcagccaccc	tctctcagtc	tgaacatcc	aacatcccca	gaaggcttag	2160
ctcctttttg	aattgtgatg	ggaaagtaga	gttgggtttt	tccagttttg	ctctgtggtg	2220
tgtgagagat	ttttttaaag	gctttgggtt	gtctttggcc	tttgttttagc	tttaagggtt	2280
cgttagcatg	agtgtccagt	cgtgtgcatg	aatttcaccc	caacttgtag	ctgctcactt	2340
atgacgtctc	ccccagtacc	ctccatctca	aataggcttg	gtggcctgtg	gaaaagaaga	2400
gagacagaga	gacagtgtct	gaaacaggat	ggcagaatag	gctcacatgc	ccaaactctg	2460
ggtggggaag	aggaaactta	ctttctgcca	ccctcagtaa	gaacacacga	ggaggcagga	2520
cctcccacct	tcaggtctgc	atcatccttt	tcaaattgtt	ctttaaatgc	agcacactga	2580
gtttgtacaa	ttgtgttaac	tgctggaagg	gacagatgca	ctgatataata	tgcatattgct	2640
gttttgccca	atattttgaa	aatgtatgag	ctgagttgat	ctagctatta	tttaagtatt	2700
tattgaagta	gaggggcctt	caaactactt	tatactagtg	atagtttgag	ttaggtaagc	2760
atcttaaagc	tgtttggtga	taaagaaggc	agcttaaat	ctgtggttgg	aaacagtgtg	2820
gtcgcttccc	tttttaggaa	gccctgttaa	tatgctcatt	gaaaacatgg	cattgaagca	2880
ggcacttgcy	tggtgttttc	tcacttgagc	acgatattta	ggctctcttc	caactcactc	2940
tattctgtcc	tcactcctgt	tttggttttt	tctctttgca	tgtttgaaat	gttttatggg	3000
aatgtattag	aactcttttc	ttctaaggac	tgagacttcc	aggggattgc	catcttacct	3060
gtctcttctc	catgaggggag	aaggaagcag	ctagctatgt	ccctagctgc	aggaagcccc	3120
tattttttcc	aagcacgaag	ccaccagtct	ccccaggga	gcatcaggaa	gggacatgga	3180
tgtgctcctg	ccacagggcc	cttctactct	ttggatctgt	gagaagggtga	atacaaagca	3240
gcaggcagag	taaaatctgc	tgggactgcc	tggagatttg	tcaggagctg	cagacaagta	3300
ccttgaggca	ttctgttatt	tttggaaggt	tcaaataatgc	agggacaagg	aggttgctga	3360
ctgtactgac	aggctctaag	tcattttctc	caaaaactat	ctattcaatt	atcaggggct	3420
ggtcttgagg	aaggaaaaaa	aaaaaaaaacg	tccccaaaat	tcagtttcca	aaattttttt	3480
ttaaggggtt	tacacacaca	ca'cacacaca	cacacacaca	cacacacaca	cacacacaca	3540
ctattaaaaa	gtgttttttt	tttaaaaaaa	aaagtaaaat	ttctgagggg	ggggtttcac	3600
caccgtcctt	tattgaatca	atttttctac	atttcagagc	aagtgtagat	tctgagggac	3660
tcctattttg	caaaaagaca	aaactagcaa	aaaaaaaaaa	ccaaaaaac	aaaaaaaaac	3720
ccattaaaag	ggtaccagaa	aaaaaaggaa	gtttgaaggg	gggtccactc	agggtcggga	3780
agtcggggga	agggccagga	gaaaggccgg	gtcaacctaa	agttaacatt	gggaggccct	3840
acaaccctaa	ccaaaatttt	caaaaaccca	ggggggggag	cacacttgga	acctacattt	3900
ttggccccct	aatgggggac	tttaataaac	cttttatggg	ccaggcccag	gggctaa	3957

<210> 4462

<211> 1368

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (224)...(1058)

<223> similar to gi3881130 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4462
tttcgtcaac gacgctagta actgcctggc ttctccctct ggtgtctccc ggaaagcgct 60
ccgtctgggc cgtgcgcgat cacggcccg ggcgtggctc gggctcgggc ggagctggag 120
acgtgtggag ctgttcgagg actcgcgggt gtgcagtgc cctatgatat gtgttttaga 180
aatagccggt aaacttttgt ttgaatgaag aatgtctctc aatccaccta tttttctcaa 240
acgaagtga gaaaatagtt caaaatttgt ggaaacaaaa cagtcacaaa ctacttccat 300
agcttcagaa gatccccctc aaaacttatg tttagcatct caagaagttc ttcaaaaagc 360
tcagcaaagt gggagatcaa aatgtctcaa atgtggtggt tccagaatgt tctactgcta 420
tacatgttat gttccagttg aaaatgtacc tattgaacag attccacttg tgaagcttcc 480
attgaagatt gacatcatta aacatccaaa tgaaacagat ggcaaaagta ctgctatata 540
tgcaaaactc ttagcacctg aatttgtaaa catttacacg tatccgtgta ttccagaata 600
tgaagaaaag gaccatgaag ttgcactcat ttttcctgga cctcagtcta tctcaataaa 660
agatatttct tttcatctgc aaaaaaggat tcaaaataat gttagaggca aaaatgatga 720
ccctgacaag ccattcttta aacgcaaaag aactgaagaa caagagttct gtgatttgaa 780
tgacagcaag tgcaaaggca caacactgaa aaaaattata tttatagata gcacctggaa 840
ccaaacaaac aaaatattca ctgatgagcg acttcaaggg ttgttacaag ttgagttgaa 900
aacaagaaaa acttgctttt ggcgccatca aaaaggaaa cagatactt tcctttctac 960
aattgaagcc atttactact ttctggtaga ctaccatact gatataataa aagagaaata 1020
cagagggcaa tatgacaatc ttttattttt ctattctttt atgtaccagt tgataaagaa 1080
tgccaaatgc tctggagata aggaaacagg aaaacttaca cattagtttt taacaagcca 1140
cttatgtctt tttattttgc taacattaat aaacttatat ttgtgctttg ttttttctta 1200
agaaataatc atatataatg cctgtaagac catttgaaaa aattccagtt tcatatatat 1260
cacttcatat ttcttgaagg aaattgtatc tgggggaatt tttcagagat actggttgatt 1320
gaaaaactta cttcagaagt tatttgctca gtgaaacctc agtttcat 1368

```

<210> 4463  
<211> 2173  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (185)...(1431)  
<223> similar to gi4240130 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4463
gcgagaagaa aggaaacagg tttcactaac ctggattgtg aatgtatagc tacattttctc 60
ccccagctta tgagaatgat ccacaactat ttacccaaag acaaaacacc accaacttaa 120
ttcaaataat taaataatat ttgtgaactt atgcctaaat ataactgtat ttctttgctc 180
atagccctac tttcagactt tgctattcgt ttttgttcta agatgcatgg aactaaaatg 240
tggaagaaa agaatgcgaa aagatcctgt tttcagaatt tcccccaaa gtagagatgc 300
taagccaaat ccagaagaac ccatagatga agatgaagat attcaaacag aaagaataag 360
aacagccact gctctgacca cttcaatctt agatgagaaa cctgttataa ttgccagctg 420

```

tctacacaaa	gaatatgcag	gccagaagaa	aagttgcttt	tcaaagagga	agaagaaaat	480
agcagcaaga	aatatctctt	tctgtgttca	agaaggtgaa	atthttggat	tgctaggacc	540
caatggtgct	ggaaaaagtt	catctattag	aatgatattct	gggatcacia	agccaactgc	600
tggagaggtg	gaactgaaag	gctgcagttc	agttttgggc	cacctggggt	actgccttca	660
agagaacgtg	ctgtggccca	tgctgacgtt	gagggaaacac	ctggaggtgt	atgctgccgt	720
caaggggctc	aggaaagcgg	acgcgaggct	cgccatcgca	agattagtga	gtgctttcaa	780
actgcatgag	cagctgaatg	ttcctgtgca	gaaattaaca	gcaggaatca	cgagaaagtt	840
gtgttttgtg	ctgagcctcc	tgggaaactc	acctgtcttg	ctcctggatg	aaccatctac	900
gggcatagac	cccacagggc	agcagcaaat	gtggcaggca	atccaggcag	tcgttaaaaa	960
cacagagaga	ggtgtcctcc	tgaccacca	taacctggct	gaggcggaag	ccttgtgtga	1020
ccgtgtggcc	atcatggtgt	ctggaaggct	tagatgcatt	ggctccatcc	aacacctgaa	1080
aaacaaactt	ggcaaggatt	acattctaga	gctaaaagtg	aaggaaacgt	ctcaagtga	1140
tttggctccac	actgagattc	tgaagctttt	cccacaggct	gcagggcagg	aaaggtattc	1200
ctctttgtta	acctataagc	tgcccgtggc	agacgtttac	cctctatcac	agacctttca	1260
caaattagaa	gcagtgaagc	ataactttta	cctggaagaa	tacagccttt	ctcagtgcac	1320
actggagaag	gtattcttag	agctttctaa	agaacaggaa	gtaggaaatt	ttgatgaaga	1380
aattgataca	acaatgagat	ggaaactcct	ccctcattca	gatgaacctt	aaaacctcaa	1440
acctagtaat	tttttgttga	tctcctataa	actcatgttt	tatgtaataa	ttaatagtat	1500
gtttaatttt	aaagatcatt	taaaattaac	atcaggtata	ttttgtaaat	ttagttaaca	1560
aatacataaa	ttttaaaatt	attcttcctc	tcaaacatag	gggtgatagc	aaacctgtga	1620
taaaggcaat	acaaaatatt	agtaaagtca	cccaaagagt	caggcactgg	gtattgtgga	1680
aataaaacta	tataaactta	gaatttttta	aaaatatgac	ttttttacct	tttacaaaac	1740
attctcttgc	tgaaatatgt	gaagggtata	ttcagtagcc	aagagttgca	tgactacttc	1800
acaccagttc	atgatacaac	aggtatacag	gtttttcttt	ataaccaact	acaactcaag	1860
agtcttctga	aagtgttcca	gaaattgctt	taaaactcaa	aagtaagggg	ccaggtgcag	1920
tggtcacgc	ctgtaatccc	agcactttgg	gaggccgagg	caggtggatc	acaaggtcag	1980
gagttcgaga	ctagcctggc	caatatgggtg	aaactccatc	tctaataaaa	atacaaaaat	2040
tagccgggcg	ttggcatttg	cctgtagtcc	tagctattcg	ggaggctgag	ggaggagaat	2100
tgcttgaacc	cgggaggcag	aggttgcagt	gagccatgtg	ctagtgcact	ccagcctggg	2160
tgacagagtg	aga					2173

<210> 4464

<211> 2003

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2004)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1)...(993)

<223> similar to gi4456991 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4464

cttcgtacta	aaacaaaaac	accacattc	aacatcaccc	ttattttctga	atgggtgata	60
cccattagga	gctgtgtcaa	acccccttac	atgctgttgg	ttggaaatat	aattatgatg	120

cctgatgcac	aaactataga	atgtcataac	tgtaagctgt	tcacttgcac	tgatgcaact	180
tttaatccca	ctacaagtat	tctcttggtg	agggctaggg	aggggggatg	gataccagtt	240
tctctacatc	gtccatggga	gtcttcccc	tctattcaca	tagtcaatga	agttcttaaa	300
gacatcctca	aaagaacaaa	gagattttatt	tttactctta	ttgcagtcct	tgcaggacta	360
cttgcggtta	ctgcaacagc	agcaactgct	ggagttgcca	tccgcagttc	tgttcaaact	420
gctcactatg	ttgaagcatg	ccagaaaaat	tcttccagac	tttggaattc	tcaggcgcaa	480
attgatcaaa	aattagctaa	tcagattaat	gatctccgcc	aaagtgtaac	ctggctggga	540
gatagagtta	tgaacttgca	acaccgtatg	caattacagt	gtgattggaa	tacttctgat	600
tattgcataa	cgccttatgc	ttataatcaa	gatcaacata	gctgggaaaa	tgtctcaaga	660
cattttaaag	cctgggatga	taacttaacc	ttggatattt	cacaacttaa	agagcaaatac	720
tttgaggctt	cacaagccca	tttatccaca	gttcttggtc	cacacatttt	tgaaggcata	780
actaaacaat	tacctgattt	taatcccttc	aaatggtcga	aaccgcgcag	aggatcattg	840
ttgttactgg	cattattaat	attggtatgc	ttatgttgtc	tccttttagt	ctgcagatgc	900
ctccaaggag	tccgaaacca	agtccgaagt	caacgacaag	caatgatggc	gatggcgatc	960
ctagttaata	aaaagggggg	agatgtgggc	tgcaagccac	ccaggtgccg	aggcaagaga	1020
ccgaggacat	gagctgttcc	agtataataa	aataaaaaac	aagaatagtt	ataccagata	1080
tagatcttag	atatgattat	atatgaatat	aattaatcat	tagttttagt	caattactct	1140
ttattccaat	attataataa	tcttactctt	ataatcataa	cctacgaaaa	accaggccat	1200
acagagatag	gagctgaggg	gacatagtga	gggtgtgacca	gaagacaagt	gtgagccttc	1260
tgttatgcct	ggacagggcc	accagagggc	tncttgggtc	agcagtgatg	ccagcgtctg	1320
ggaagacgcc	cgttgccagg	cggaccgtgg	tctatcggtg	gcgaaaanng	nnagggaaca	1380
cccactactt	agcagaccgg	gaaagggagt	ctccttttcc	cctggggagt	ttagagaaga	1440
ctgctcctcc	acctcttggt	gagggcctga	catcagtcag	gcttgccctgc	aattatccag	1500
aggcctaacc	gtctccctat	ggtgctgtgc	ttcagtggtc	acgctcctag	tctgccttca	1560
tgttccatcc	tgtacacctg	gctctgcctt	ctagctagca	gtagtcaatt	agtgaaagta	1620
ctaaaagtct	ctgatatgca	gaaataatgg	cataagctat	ctttctctct	gtctcctctc	1680
cctctctgcc	tcggctgcca	ggcaggggaag	ggccccctgt	ccagtggaca	cgtgaccac	1740
gtgaccttac	ctatcattgg	agatgactca	cactctttac	cctgccccct	ttgctttgta	1800
tccaataaat	aacagcgcat	ccagacattc	ggggccacta	ccggtctccg	cgcattgggtg	1860
gtagtgggtc	cccggggcca	gctgcctttt	atctctttgt	cttgtgtctt	tatttctaca	1920
ctctctcgtc	gccgcataca	gggagagacc	caccgaccct	gtggggctgg	tccgtacact	1980
cttgatagtg	gcggacgcgt	ggg				2003

<210> 4465

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (13)...(399)

<223> similar to gi3879384 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4465

tccagatacc	aaaagctcct	cgtccgcctc	agtgcgcttt	acaacagggtc	gtttctggag	60
aacctgaaag	tgaacacgga	gaatctgctg	caagttgaaa	acacagggaa	ggtgaaaggg	120
cttattctta	cccttaaagg	agagcctggt	gggcagaccc	aagcatttga	cttttactca	180
agatattttg	caccgtgggt	tggtgtggct	gaagacccag	tgacaggggtc	tgacacagct	240
gttctcagca	gctactgggtc	ccagcatctg	gggaagaaag	aaatgcatgc	ttttcagtgt	300

tcccaccgag	gaggagagct	gggaatttcc	cttcgtccag	acggaagggg	tgacattaga	360
ggaggtgcag	ctgttggttt	agagggcaca	ctgacagcct	agaggtgggt	atgctgtgac	420
gctgctgtct	ctaaccacca	agtattttct	gcttaaaaaa	aaatgtaagg	ggctgccttt	480
agcaaagtgt	cgtagtagtc	tacttaatcc	tcattgttaa	aatcgaaaaa	tgggccaggc	540
gcagtggctc	atgcctgtaa	tcgtagcact	ttgagaggcc	aaggtgggtg	gatcacctga	600
ggtcaggggt	tcgacaccag	cctggccaac	atggtgaaac	ctcgtctcta	ctacaaatac	660
aaaaattagc	tgggtgtggt	gccacatgcc	tgtaattcca	gctacttggg	aggctgaggc	720
atggagaatc	gcttgaacct	aggaggcaga	agttgcagtg	agcaaagatc	gcaccactgc	780
actccagcct	gggcaacaga	gtaagactcc	attcacacac	acacacacac	acacaaaatt	840
gaaaagtga	gacattt					857

<210> 4466

<211> 878

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (878)...(540)

<223> similar to gi2516266 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4466

tttttttttt	tatgctgaaa	gtatatattat	atatatagat	atagatatatt	actttctctgt	60
agacagtttt	tactgatgag	tcatttgaac	gttcaaagaa	caaccgatta	caatgctaca	120
tgaactatac	cagaaatgag	atggatagct	tctcaattca	tttcacaaag	ccagcacaaa	180
gctgatacca	aaacataaca	attaaaacac	aaaacagaga	accacagatc	tcacttaaaa	240
acacagatgc	caaaatacag	aacagaacag	tagccgattg	aaatcaacac	cacataaaaa	300
atgtacaaag	ctttggcgag	tacgaaacca	agttgaaaat	ccaaacttac	actcgtggaa	360
ctggaacaca	aacaccagga	acaaaaatgt	ccccccaccc	tgtcagtggc	ctctggccag	420
ggaaacacag	gagcgagatc	tctgctacac	ctattagcgg	ggagggggcc	tgctgggtggg	480
gcegtgggca	ctgtcacccg	tgtcagggtc	atcctcatct	gtgtcttccc	actcacactc	540
tgcgagcgct	tcaaggtaat	ggaatggcca	gctctgtgga	tctttcttat	ggagcttggc	600
caaaaacctc	aggacaagca	tcttgctggt	ttccaggaat	gctcgagggc	cccagaggaa	660
ctcatactct	gcgggctcag	tgtaagggat	tcgctgttac	tctaggtact	tctgcctgac	720
aaacacttcg	gtgatgagct	tcttagtatt	tccaaagaga	ccgtttgtct	cccggacatc	780
caaccctaac	ttgaacagaa	aattaaagat	cagatcctcc	ctgacacagt	tgcctttcat	840
aaagatgagg	ctcaagacca	ccatcagaag	gccaaact			878

<210> 4467

<211> 1263

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature



<222> (1)...(1264)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (4)...(649)  
 <223> similar to gi4336692 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4467

gtaaaagtgtg	ccctgcttct	gacgaattta	gaacagcctc	gcacagagtc	tgagtgggag	60
aacagcttca	ccctgaaaat	gtttcttttt	cagtttgtca	atctgaacag	ctccacattt	120
tacatcgcat	tcttctctcg	aagatttaca	ggacaccag	gtgcctactt	gaggetgata	180
aacaggtgga	gactagaaga	gtgccacct	agtggatgcc	ttattgatct	gtgtatgcaa	240
atgggtatta	taatggtgct	aaagcagacc	tgggaataatt	tcatggaact	tggctaccgc	300
ttaattcaga	attggtggac	tagaagaaaa	gtacgacaag	aacatggacc	tgaaaggaaa	360
ataagtttcc	cacaatggga	aaaggactat	aaccttcagc	cgatgaatgc	ctatggactc	420
ttcgatgaat	acttagaaat	gattcttcag	tttggattca	caactatctt	tgtggcagct	480
tttcccctag	caccacttct	ggccttactg	aataacataa	ttgaaattcg	acttgatgct	540
tacaaatttg	tcacacagt	gaggagacct	ttagcttcaa	gggccaaaga	cataggaatt	600
tggtatggaa	ttcttgaagg	cattggaatt	ctctctgtta	tcacaaatgc	atttgtcata	660
gcgataacat	ctgactttat	ccctcgcttg	gtgtatgctt	ataagtatgg	accttgtgca	720
ggccaaggag	aagctgggca	aaagtgcatt	gttggctatg	tgaatgccag	cttgtctgta	780
tttcgaattt	ctgactttga	gaaccgatct	gagcctgaat	ctgatggcag	tgagttctcg	840
gggactcctc	ttaagtactg	cagataccgg	gactaccgtg	accgcctca	ttcactgggtg	900
ccctatgggt	acacactgca	gttttggcat	gtcctagctt	ggggnccctt	cgggaaatnt	960
agctttttatc	attgtctttg	agcacctcgt	gttttgtata	aagcacctca	tttcgtatct	1020
gatcccagac	cctcccaaaa	gacctaaggg	atcgaatgag	aagagagaag	tacttgattc	1080
aggagatgat	gtatgaagca	gaactggaac	gtctccagaa	ggaacgaaag	gagaggaaga	1140
agaatggaaa	agcacaccac	aacgagtggc	cgtgaccatg	tagaaaatag	tccctttcca	1200
ggccaaggac	ctgaattctg	tttacttctt	ctggctgtgc	aaaagcacac	tcaagtgaat	1260
gac						1263

<210> 4468  
 <211> 2300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (178)...(627)  
 <223> similar to gi3256105 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4468

ccagggtcagt	gttgtctgct	acacagccta	ctctctgtct	tttgttgatt	tgtcactctt	60
tgcagcccca	aagtgggttct	aaaggctacc	acaggaaact	ggacttctaa	attcttcagt	120

gacctcaatc	ccaggttggg	ggaatgtttt	ttatagatca	tcaccgaccg	acctggcttt	180
catgatgaga	gtgccatcta	ccccgtgggc	tattgcagta	ctcgaatata	tgccagcatg	240
aagtgccag	accagaagtg	tctatatacc	tgtcagatca	aggatgggtg	tgtgcagcct	300
cagtttgaaa	ttgttcctga	agatgacccc	cagaatgcca	ttgtcagctc	ttctgcagat	360
gcttgtcatg	cagaactgct	caggactata	agcactacta	tggggaaact	aatgcctaac	420
ctgcttccag	ctggagctga	cttttttggg	ttttctcatc	cagccatcca	caacctgatc	480
cagagctgtc	caggagctcg	aaaatgcata	aattaccagt	gggtgaaatt	tgatgtgtgc	540
aaacctggag	atgggcagct	acctgagggg	ctgccggaga	atgatgcagc	tatgagcttt	600
gaagcctttc	agagacagat	ctttgatgaa	gatcagaatg	atcccccttct	gccaggatcc	660
ttggacctcc	cagagcttca	gcctgcagcc	tttgtgtctt	cttaccagcc	catgtacctg	720
acacatgaac	ccttggtaga	tactcacctg	cagcacttga	agtctccatc	acagggtagc	780
ccaattcagt	cttcagattg	aacaagaagg	gatcagatgc	cacatcgttt	ttgtcgtgat	840
taattttaact	taaactaaaa	ttttgggtat	atgaaagaag	gcagcaattc	agaagtaaag	900
aagatactaa	cgtatttcat	catggaaggt	cctgtggtga	tggttttccc	tgggaaaacc	960
ttcagctgct	ttatttttag	taataaattt	ctcttgtaa	ttctgtttac	tttcatcttg	1020
taatcgggat	gtaatctttt	ttgcttagct	ctgcctgagg	taaagtaaac	ttcagcctct	1080
tataaacaag	agtgatagag	agctgcaggg	tgctacaaca	aataccatag	acaggttggt	1140
ttataaataa	catgaattta	tttctcacag	ttctggatgc	tgggaagtcc	aagttcaagg	1200
agcgcagatt	caatgtctgg	tgaggggcca	cttcctagtt	cttagacagc	tgtcttcttg	1260
cagtgtcctc	acgtggtaga	agaggaaggc	agctctccgg	ggcccccttt	ataagatcac	1320
taagccgggt	catgagaggt	ctgctctcat	gacctaatca	cctcccaaag	gccccacctc	1380
ccaataccat	cacattaggg	gttaggattt	aacatgaatt	ttggggacat	ataaacatta	1440
agtctgtagt	agcagcagct	gactaacgag	ggagataggg	agattctgac	aaacttctac	1500
tcttgattgt	gacctaatt	caaggaatat	caagtcccag	cccctgcaac	ccaggctgct	1560
gcttaatttt	catgtcagta	tcataaaaat	ccaatgttct	gcttaaaactc	aagatggaaa	1620
gtccagtcga	aggtacactg	ttcatctttt	tcttcacatt	ttgcacatcc	ttcaagggga	1680
tctttaacct	ctttaacctt	ttgtattgca	cctcagataa	tgtgcttttt	agctcagtac	1740
actgaaacca	tatgataaca	caaattcaca	tataattggg	ggttagtccc	atactctata	1800
acagacttag	tcctgtcttt	tcattagcca	tgtataata	taactccatg	ttccatgcaa	1860
ctggattttt	ggacctgtgt	aatagcatta	aggtagaggt	ttactctatc	acctaaccac	1920
tcaacactac	ctgtgggatg	ccttagttac	ccagcagcag	gttaccaagg	gctgtctgga	1980
aagggagggg	caaaaggacc	cagaagtaga	agaatgggga	tggagtgggtg	agaattgaat	2040
ggttaatgca	ctgccattca	taattgcca	ttgaggacaa	cacaaatggg	attgggtactt	2100
tatagtaata	aatctgacca	gcagagggag	ggatcaggca	gcagtgttta	gagcacacca	2160
cactggccac	tgtaaaactga	gaagctaagt	taactgggtat	tttatgattt	tgagtatatgt	2220
ctttttataa	gttgatttac	actttacaat	gttaaaagga	aacaaacttt	gtattattag	2280
ccaattcggg	gaaggggact					2300

<210> 4469

<211> 1929

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1930)...(1051)

<223> similar to gi3341678 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4469

tgactgtgta	tatatatcat	ataatccata	taaatgcaga	aacattttatt	gaaagacatt	60
tcgaagccat	cgtgttttga	tttcatgttc	atgacaataa	aactttgtaa	cttcagtaac	120
agttaaacct	tctttaatta	tggattagcc	attaacattt	ttgaaacgtg	gaccatttaa	180
cctcggccta	ccccctccaa	ctgtcctggt	gatgagttca	ttagctaagt	taaaattaat	240
ttgaactttg	atctaaacca	aaacaaatcg	ggaaaaataa	agctgtaaag	gaactttatc	300
aagctttcca	aaaccaacta	aaaattactt	gaagttttcc	gagtgagcat	tgctgtgcc	360
agtattcttc	attataggat	tataaactcg	tttttttccc	aaagccgcat	gtctacgcca	420
ggcagaggag	taattattca	gccaatctca	tggatggtaa	acgatggata	taaataattg	480
atagcaccta	gaggcttcca	gtttgggtgg	aaggctaaaa	gtagagggga	actcactcac	540
ttgagaaatg	atatttaagt	gaataaatag	ttctcttcta	tgaaactatt	actatttagt	600
tctctggaaa	acttaagtgt	attaatgatt	agaacatcaa	atcctaagta	aagaaatgac	660
attttaaata	taaaaagcca	aacttttaaat	aaatcataga	gacctcagac	ataatatagg	720
aaagaattct	tttgtccttg	tttactactgt	gtacatagta	caaataataat	tttaaagcta	780
catcctataa	catttaagaa	ataacagtag	tttcaaaatg	cttaagatga	ggagaaaaat	840
gccttagaag	actaggtttc	taaaagtcag	aaataaaagt	acaagttatt	tttcttctat	900
ccagcaactt	tataaagcaa	cttgagtcc	gaagaaaaga	ccgttggtct	tttaagaaat	960
gggtcttctc	gaattataaa	ctttaacacc	attttgcac	gaagaatgag	aatatttagt	1020
gagtaatgca	cctatgggtt	gcttctctcc	acacaaatct	tgaatatatg	gagcaatatc	1080
ttcttctgtc	cacttctccc	ttagagagaa	agggtatta	aaacgttcc	gattatcctc	1140
aggtaaataca	tctactttca	gcaaaaatat	gatttctggt	ctcgagtgtc	tatccaccag	1200
cgctaaaccc	ttaagctgat	caagactagt	taccattcct	tcaggaacac	tctgctgcc	1260
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tgctctacat	attttatcag	catccaactc	aaaataaact	tcgccttc	ctacatattt	1380
cttcccataa	catttaagac	agtgttctat	catttccctc	ggctccaatg	gtccgagttc	1440
ctgaaggcat	gtgttcaaag	gaactttacc	aaaagaccat	gattcagaat	ccacaagctg	1500
agttacatga	ttcagaagtt	tcattctcata	atcaaattca	agaatcctcc	aataacctcc	1560
aatcttacag	gcatttagaa	cttgtaattg	ggtcattatt	tcttctctac	ttgcctgaat	1620
ttgatcaagc	aaactctcag	ttgtatat	tgagctattt	gaatccttct	ctttttgact	1680
gtcaggctct	tcataaggat	tttccatcaa	aagtttcttt	agcttcttta	acttgggtct	1740
acgtcttctt	aattcccaat	aattattaga	aaaaccaaag	atctcagtg	gaataatggt	1800
acagtgtgaa	tcttcttctt	tcaactggtc	cggagtttta	caaccaggaa	tgaaaagcaa	1860
catattggaa	gtgtctgcta	tcttcaagtc	gtatgttttg	tctttactgc	acagcacagc	1920
ttgctcgtc						1929

<210> 4470

<211> 2017

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2016) ... (491)

<223> similar to gi559371 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4470

tttttttttt	ttccttttaa	aaactttatt	taaatggaga	ctcttagtca	aatgattgga	60
aaaccaataa	cgaaaaatag	ttcttcaggt	tcttctcctg	gaaaggcgga	ggacacacca	120
aactgcactg	gccctgtcag	gggacacggc	accctcgtgg	gaccaggctc	agccctcggy	180
gtggcacgag	gtcctgcagg	ctgcaggacc	ctcacactcc	agccccgtct	ggtgacccaa	240

cccgggccc	tggtgcatgc	tggggaaggg	cactggccgg	cccctgggct	tgggtcctg	300
aggaggcatg	gccccacacc	ctgcccggcc	ataaatatat	acagattcct	gggcatccag	360
ggcaccagga	ccgacgcaga	gctgggggtcc	tgtccctaag	cctgtggcac	agcgactctt	420
gacatgggag	ccagggagct	gggaccggcc	cacccctccc	ctgcctccct	cctgggggtca	480
ccaccctcag	gcggtgcca	gctggcctag	gacgcggcgg	aactgctggg	tgtgtgggcc	540
cagctccttg	accctctcca	ccatgtcctg	ggccgcggaa	ggcgatgggt	actgcaaggg	600
agcggccttg	gtggtggcca	cgatgccggc	caggaggctg	cacagcaggt	tgtgtagtgt	660
ggtcacctgg	ctgcgcacgt	cagcagcctt	ggcctgccgt	gacagtgtgt	ccccgatgaa	720
caccagcttg	tgggcgctga	ggatgacgaa	cttctgtgct	gccacaaaga	tcttgggcgg	780
ctgggtgggt	ggcagggcgg	taaagaaggg	gtccacggcg	ttggtcagtgt	tggtcaggtt	840
ggcctcacac	tgtctcaggt	agaagagcag	cagctgcggg	tccgagggcc	ccaggccggc	900
tggtgcggcc	ggggccaggg	ggtgggctgg	cgtccagttg	gccaggctgt	ggtctatggg	960
ccgtgacacc	tcctgttcca	gtcgttcaaa	ctgcttcagc	tgtgtcaact	ccagctgggt	1020
cttgccctgc	cgcgtgatgc	tgcctttttc	cagcagctcc	ttctgggtct	tctcaaactc	1080
ctccttcccc	tgtaggtgga	cgtagtcata	gtcctccatc	cagccccctt	cgtgtttctc	1140
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cggggcagtg	gccttggtcc	gtctgaagag	cagtgaggca	ttgccgtgca	ggaaggaggg	1320
cagctgcttg	gcgtcctcgg	gcacagccc	cgagcaggcc	accagccggt	ccaggctcctc	1380
aaggggtggct	ccagagcctc	cccggccagc	gtcgagggcc	tgacctgtgt	ccaccagcgt	1440
ctgggtgcacg	tcctccatct	tctgcagctg	ccggctaagc	ttggcatgca	gggcacggtc	1500
agatgtgtgg	gcagcattgc	ccaccgcgct	gcgggcaaac	tccaacagct	cgtggacggc	1560
actctggacg	gcgggccacag	cagcctgcag	gtcctgcacc	agcggtcctt	gtgggtcaga	1620
ggggctacgc	cagctcccag	tgcacccggc	gctgcctgcc	aggtccagaa	ggtgggcaac	1680
ggtggcgctc	acaccctgct	gcagccgtgc	cagggcctcc	acagcaactt	ccagctccag	1740
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gccggtgctg	gaggccgaca	ggcgcttgcc	ctctgccggg	gcttcacgtt	cagctggggg	1860
aggcaccgca	tacacaccac	tgtcgaccac	gccacctca	gccacctcag	gaggaagcac	1920
ccgttcacgg	ggcacatcgt	acaggggtgc	cgggccaggc	cgcgcgaagc	cagggggcac	1980
gtcgtagagg	tcaggagccg	ggggcggcac	gtcatcc			2017

<210> 4471

<211> 1562

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1478)...(951)

<223> similar to gil006659 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4471

tttttttttt	ttacttgacc	gtaggacata	ttaagatggt	tattattttac	taagagtaac	60
atgtatacat	ttgcagtaat	ttgtacaatc	caactacatt	acaattcaca	gtaacataca	120
ctagctctaa	cctgccttgg	atacaattaa	gtctcctcaa	cacactattt	tatcgccaaa	180
cttacattct	ggcttttata	atcattttgc	aacacctggg	acagtataca	cctatagctt	240
tgccatagaa	atgcccttaa	atgcccttca	gagagcagag	gtgaatactt	tctcatgaag	300
aaacgccaac	ttttctaagc	gagttcgttt	cagtagtggg	agccattccc	agtaggataa	360
ctctaccaca	cggtagccaa	gccgagccag	ctgccgcctc	ttcatattgt	gcagtccaag	420

gagatccctg	gagccatagc	aatactgggt	cctgtttgtg	aactgaacag	ccagcttcat	480
tcttgggggtc	tgcatgcagg	ctgcgggggca	caggccagcc	atctccatgg	cccctgattt	540
atctgctaca	ttgcaaagga	agccccccag	aggtagagct	gccttattct	ccaactccat	600
gggtgctgc	ccaggtctctg	actcagtttt	gccctggaaa	tgctctcttg	ctttcccttt	660
tagtaactta	ttcatcaaat	catctgtaag	gctgactccc	acatgctcaa	gccttaattt	720
ggctacattt	tcagccggcg	tggtttctct	attaaatgg	aatggcttca	ggtaaacatc	780
aagctggacc	tctaagtcag	aagatcgggt	atgaggcaaa	atcatatgg	gcttgacgta	840
ctggggcccc	cccagcatgg	tctccagtaa	aaagacagtt	tctaagaatt	caggctttga	900
attcatatcc	ttctctgcta	aataccacag	caattcagac	ccctcttgct	gaagggtgagt	960
actaagacga	ttgcctctgt	aatctggaca	ctcaatgcc	actgtaccat	cgaggggtata	1020
tagttcctta	aggaggtcaa	acttagttct	ctcctgagct	aacctgacaa	accctggact	1080
gagagcgaaa	tcaattaact	ctactggaaa	gtactccaaa	aatgccaggc	ccagcaggca	1140
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caggctggag	taaaattctt	ctgcattggg	tggtttataa	ttcagagttc	caaataacca	1260
cagaatcttg	gcaacatctt	tacttcgaca	gtgtgccact	ctaggaggca	aagacgcagc	1320
cactgcattc	attactcctt	cattcaggaa	gcgtaaggcc	gagcagtaaa	gagtcagggtg	1380
catgacacct	tgaactccca	gggaaggaa	tcgctgagga	gctatctctc	caatctgctt	1440
catgaaattg	atgtgatcca	cgtgagtga	acggaacatt	ttaacaatat	tcactaagga	1500
gcgactactc	agatgctgaa	tgtagcaca	agccaagtct	cccattttcc	gtaggacata	1560
tt						1562

<210> 4472

<211> 2931

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(1007)

<223> similar to gi769859 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4472

caccagatca	tctagtcaat	atatagaatc	atthttggcag	tcatcacaaa	gtcaaaaactt	60
cacagctcat	gataagcaac	gttcagtgt	aagctcagga	tatcaaaaaa	ctccccagga	120
atgggcccc	caaactgcaa	gaataaggac	caggatgcaa	aatgacagca	ttctgaaatc	180
agagcttgga	aaccagtcac	catcaacctc	cagccgacaa	gtgactggac	aacccccaaa	240
tgcatctttt	gtcaagagga	accggtgggt	gctacttctc	ctgatagctg	ctcttgcttc	300
tggtggtttt	tggttcttta	gtactcctga	ggtagaaacc	actgctgttc	aagagttcca	360
gaaccagatg	aatcaactta	agaataagta	ccaaggtcaa	gatgagaagc	tgtggaaaag	420
gagccaaaca	ttcctggaaa	aacatcttaa	tagtcccat	cctcgggtctc	agcctgctat	480
cttactgctc	actgctgccc	gagatgctga	agaagcactt	aggtgtctga	gtgaacaaat	540
tgctgatgcc	tattcttctt	ttcgtagtgt	ccgtgccatc	cggattgatg	ggacagataa	600
agctactcaa	gacagtgata	ctgtcaaact	agaggtagac	caagaactga	gcaatggatt	660
taagaatggc	cagaatgcag	ctgtggtaca	ccgttttgag	tcatttcccc	caggctctac	720
tttgatcttc	tacaaatatt	gtgaccatga	aaacgcagcc	ttcaaagatg	tagccttagt	780
cctgactgtc	ttattggagg	aagagacact	tggaacaagt	ctaggcctaa	aggaagttga	840
agaaaaagta	agagattttc	ttaaagtcaa	gttcaccaat	tctaacacac	ccaactccta	900
caatcatatg	gacccagaca	aactgaatgg	cctctggagc	cgtattttctc	acttagttct	960
gcctgtgcaa	cctgaaaatg	ccctgaaaag	gggcatctgc	ttataagaag	tgagagagaa	1020

gaaaaatcat	gtcccaagtt	ctgagaattg	ttcacacttt	ctaaccagag	acagaattca	1080
gagctctttt	tgaaagaact	agtttctttt	taaagaagtt	aagtgccttac	ataaacatgg	1140
aacatataaa	tcattcatte	aacctaat	tctgtgat	gagagaatca	tttcagtttc	1200
cattgagagc	tctgttaaag	gtatcttagg	agtgcagatt	atatgcagtt	ccttagagaa	1260
tctgttttga	ttctgggctg	agttattaca	gttatgggtat	gaccagtga	agggatttgt	1320
gtcctttctt	atgaaccttc	ctgatttttt	aacttagatt	tctcactaag	tttcttgagt	1380
tattagtaag	attgctccct	aaatgtaacc	agggattttt	ccattatggt	cccttttata	1440
ccatttaggt	gtgagttcct	tagcttctgc	ctataggaac	ataagtaatg	aaaggctatc	1500
taggtgtgtg	tttggaattt	ttttcttttg	ttttttggaa	aatggaaaga	acaaggcaag	1560
gaaggaaaat	taatggggaa	gctgaaggga	ggaaatgtta	cagtaatcca	ctgagatgta	1620
gtttagtcaa	acataggtat	atgaactggt	aatcttgggtg	gattccgttg	ggatttgttt	1680
tttacatctc	ctttttcctt	ccttgaagaa	aaattcttgg	ctgtcccaag	gattcttcat	1740
gtatattgca	aaatttaata	tatttgttca	cttgagttct	aagagtaggt	caggccaagg	1800
caggtggatc	acctgaggtc	agaagttcaa	gaccagcctg	gccaacatgg	tgaaaccccc	1860
tctctactaa	aaatacaaaa	attagctggg	cgtgggtgggtg	catgcctgaa	atcccagcta	1920
cttgggaggc	tgaggcagga	gaattgcttg	aacccgggag	gcggagggtg	cagtaagccg	1980
agaccatgct	tattgccctc	cagtctgggc	aacaaaaatg	aaactccgtc	tcaaaaaaaaa	2040
aaaagtaggt	caattcgaaa	cagtttat	gggacacacc	ctgaagcttt	tgttttgaat	2100
taaaaaatga	gtttcaggaa	ttgacaaacc	atttggttaac	cagctgtcct	gggctattga	2160
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aactttgcat	ctataattga	gctttctcat	ctgtcaaagt	ctatggtttt	cttaaaatgt	2400
tacaattcta	gatctatcca	ccttgttttt	ttattgtcta	caaacccatta	aatgtaaata	2460
ttgttttttag	agtcagtcct	tggccttctg	atttaccctt	tgagagtcc	acaagtggta	2520
gtagagtggg	ttacagtcct	tctctagta	ctaccagtat	tcataaatgt	atacccttta	2580
ctgtaatttg	ttcctcttag	aagtcagatc	atctgattta	tagaggatta	tgaaaaccag	2640
agtttttgaa	aaggcttatt	ttatacatc	gtattatata	gagaaacaaa	tgtttttatt	2700
aaatgtttca	ttgaccaag	taatttaaaa	gtaatatgtt	acctatgtct	ttcaggaaaa	2760
ataattatag	cagctgatct	gtaaatgact	ttaaaagcta	ttttagtaat	ttaaataaat	2820
ttactttctt	ggttttatact	ctctatgtgt	tataaactta	atgatttatc	atctttaaaa	2880
aaagaaatcc	aagtattttc	cttgaacaat	tgtagcaact	ctggctagga	g	2931

<210> 4473

<211> 1310

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (442)...(606)

<223> similar to gi214636 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4473

ggaattccag	agaggcgtgt	tggacaccat	gactttccgt	ttctgttggc	tgcgcctggt	60
cactgctatg	gcagaataaa	gcctggagag	agacatagcc	tttcaactca	tgcttgtctg	120
atctttacct	ggttttacag	aaaagcacag	tagtgagggt	attttgattt	agagctgttc	180
cccactgat	gccaggatcc	cttcaacagt	ggtaggaggag	gttagacac	agtgttgagt	240
ttgattccct	ctgtcttttc	tcttagtttg	gcctgtcact	gtcctcctc	ctcctgagcc	300

gtggtgaaga	cctacagagt	tcagaccctg	ctacagaatc	aacacaaaat	aatcagtgg	360
cagtgcggac	tgtttcttct	cttattttta	gttctttgag	gtaatctttt	aaattttttt	420
ctcctgatat	tattatgggt	cttccctgtc	aggacggagg	tgatgttcat	ggcaacacga	480
gaacttctgc	ggattcccca	agcagccctg	gccaagccaa	tctctatacc	tacaaacctt	540
gtgtccctct	tttctcgcta	tggtgaccgg	cagaaactga	acttgctgga	gacaaaactg	600
cagctagttc	aggggatacg	ataaaagatc	tccaaatgtg	tctgtacct	ccttttggct	660
gccacctgca	ctgctgccat	caccaatgga	gtgtttttta	tgagggaagg	aaggtagctt	720
tttcccaaaa	gcaaagtctt	gtgggatcga	ttcctgttta	caggggttgt	ctctctaaat	780
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taccttctgt	gttacagttc	tgcatgtcct	acttttactc	agttctgttt	tgcattttct	900
ttgccctaga	gacacaagtg	taatctctcc	ctttatccct	ccacttactc	cacctcagag	960
tagattgtag	cctgccaaag	gattccttcc	ctcatcctat	tgaagttggt	ttttcgttgc	1020
ccccatatta	atatgactat	agaagagcca	attaagtaga	aatcaagata	tacacacaca	1080
catagataca	cacacacaca	ccccatacat	gtatttatgt	ggctctcaga	gggtccttaa	1140
agaatgaatt	ttagattgaa	aaatathtag	ttgtctcatt	acctcttcta	aacacaaaacc	1200
agctgatgta	ttttaatctg	tttctgttct	atcttgtaat	taatttgggtg	ggttccacct	1260
gttttaacat	aaataaagag	tatggcaggc	acgtttaata	aaaaaaaaaa		1310

<210> 4474

<211> 908

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(781)

<223> similar to gi5830312 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4474

gcacgaggtg	ccttctcttc	aaacctctga	ccctctgcc	ggctctgtgc	agagatgcag	60
cgtggtagta	agtcagccca	acaaagagaa	ctggtgtcag	gaccatcttt	acaactcctt	120
gggtcggaaa	gggatcagcg	ctaaatctca	gccttatcac	aggctccagt	catcttcttc	180
cgtcttgatc	aacaaatcaa	tggtattccat	caactaccct	agtgatgtgg	gaaagcagca	240
gctgctgtct	ttacacagaa	gttcaagggtg	tgagagtcac	caggacttgc	tgccagatat	300
tgctgactcg	catcaacagg	gcactgaaaa	actctcagat	ctcacactcc	aagactcaca	360
gaaagtgtgtg	gtggtcaata	gaaatttacc	cttaaagtcc	caaattgcaa	cacagaatta	420
tttttccaat	ttcaaagaga	ctgatggaga	tgaagatgac	tatgtggaaa	tcaagtcaga	480
agaagatgag	tcggagttgg	agctatctca	caatcgtaga	aggaaatctg	actcaaagtt	540
tgtggatgct	gacttttctg	ataatgtctg	cagcggcaac	acattgcatt	ctttgaatag	600
tccgcgcact	ccaaaaaagc	cggttaacag	caaacttggc	ctttcaccat	atctgacacc	660
atataatgat	tctgacaaac	tgaatgacta	tctttggagg	gggccatctc	ccaatcaaca	720
aaatattgtc	cagctctctaa	gggaaaaatt	tcagtgtctc	agttcaagca	gctttgctta	780
aggttcttca	taataactgc	ttgaatcaac	ttcttatttt	gctcataaaa	cgttacagat	840
actgatgagg	tgttttatgt	ataccagatt	aaaacaattt	tgtaagaacc	agaggtgtaa	900
aatatact						908

<210> 4475  
 <211> 1364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (53)...(1072)  
 <223> similar to gi3170548 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4475

gacccccgctc	tgcaggaatt	cggcacgagg	aaagactgct	gatgaaatat	gtaaagctat	60
tcatgtat	gacttgaaga	cactgcctgt	ggactttgtg	gaatgcttga	tgcggttcct	120
accaactgag	aatgaagtga	aagtgcctcg	gctctacgag	cgggaaagga	agcctctgga	180
aaacttgca	gatgaagatc	ggttcatgat	gcagtttagt	aaaatcgaga	ggctcatgca	240
gaagatgacc	atcatggcct	tcattgggaa	ctttgctgaa	agcattcaga	tgctgactcc	300
tcaactacat	gcgattatag	cagcatctgt	ctctataaag	tcgtcccaaa	aactcaagaa	360
aattctggag	atcatcttag	cccttgga	ctacatgaat	agcagtaaaa	gaggagcagt	420
ttatggattt	aaacttcaga	gttttagatct	gctcttagat	acaaagtcaa	cagacagaaa	480
gcaaacactg	ttgcactata	tatccaatgt	ggtgaaagaa	aaatatcacc	aagtgtccct	540
gttttataat	gagcttcatt	atgtggaaaa	agctgctgca	gtctcccttg	agaatgtttt	600
gctggatgct	aaggagctcc	agaggggaat	ggacttgacc	aagagagagt	acaccatgca	660
tgaccataac	acgctgctga	aggagttcat	cctcaacaat	gaggggaagc	tgaagaagct	720
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aaaccccaag	acaacaccac	cctctgtctt	ctttcctgtc	tttgccggt	ttgtgaaagc	840
atataagcaa	gcagaagagg	aaaatgagct	gaggaaaaag	caggaacaag	ctctcatgga	900
aaaactccta	gagcaagaag	ctctgatgga	gcagcaggat	ccaaagtctc	cttctcataa	960
atcaaagagg	cagcagcaag	agttaattgc	agaattaaga	agacgacaag	ttaaagataa	1020
cagacatgta	tatgagggaa	aagatgggtgc	cattgaagat	attatcacag	gtaaaagata	1080
tttcttctact	gtggcccatg	gagatccac	tggcctcacc	tagactggga	tgcatgcaga	1140
ttttgcagct	tcttttgtcc	agggttgtca	agttcattag	ttgactttat	tcacacccag	1200
agtgatgcag	agaggctttg	aagtccattt	acagcagcat	gtatactgcc	ccaatactct	1260
gcattgggaa	ccctgttaag	ttttcaggca	gagcttcctt	tcatttttaa	gggatttcca	1320
ttggtattga	tatgtcatca	tgctccattt	ttttttcct	cggg		1364

<210> 4476  
 <211> 1816  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1755)...(443)  
 <223> similar to gi3880293 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 4476
tttttttttt ttcttttaaa aataatattt aaattttattg tttcacatta gtttgaataa 60
agcacaagcc aagatggttt aaatatcatt tgcagatgtc caagcttctt tacaattaca 120
ggtcatgggc atcatcaacc tagtccttga cttgcagcta aaaaaggcaa aaggctctgtg 180
tgaagtgaca gaagagcaca ccctactcat gtcatgagca aggaatcaaa gtcgaagaac 240
agtaacagtc ttgacatcag cactgtaaga attactctgc agtaaaactcc aaccagaat 300
ggggaagaat actgaattag ctgagcacat tctggacaca attctgacca atttcagtct 360
catgatctct gttggagcag gtttcattct ccaattctct tttacagaac agcagaactc 420
gagccttcat aaaagtgatt aacggccttt ccgcttcttc attttctctc cagccacctt 480
gttcctgaca ccaatagcac cctctgtgtc atcattatct ccagcatcct ctgcgagcgc 540
tttcttcttt tctccatgct cccttaactc cattcgggca aacctttggg cttcagcgac 600
gcgttctgtc agcatcataa cctcatcctc ctgtgttggg aaacctggta gtttcttccc 660
aattaagtgt tctatgcgct ggaagagttc cacatcatac tgtgtgacaa aagtaatagc 720
ctttccggag cgcccagctc tagctgttcg acctactcga tggatgtaat ccttggaatg 780
ggtaggaatg tcaaagttga caaccacatc tacatgaggt atgtccaaac ctgcgctggc 840
aacgtcagtt gctagaagaa tggaacgggc cttggcctta aacttattaa gggatcctag 900
gcgcttactc tgactcattt gtccatggag ggggatggca gtgaagccaa gatttcgcag 960
tagcaaagct gttctctggg tattattaca ggtgctgcag aatatcataa aggagtttcc 1020
agccaattca tttagaatat aaaccaggta ggtatccttg aatttagagg gaataaaaat 1080
ataatattgc tgtaattttt caactgtctg gtatttagag gaaacggcac atttcacagg 1140
attcttcaga gctgctcgtc gaagtttttg aaccttcttg gtcatggtgg cagagaagag 1200
gaatgttttc cgatctcgag gaatcacttt gaggatcttg tcaacctctg tctcaaaatc 1260
catattcagt attcggctcg cttcatccat gaccaagtat ttgagagctc tcaagttgaa 1320
acctttcgta ttttccaagt ggtcaatcag tcgaccagga gttgctatta ttatatgtgg 1380
tttttttgca agggccaaag attgagacat tgaatcaatt ccacctacaa tcacagcact 1440
ctgcactcca atagaggacc ccagggtctc aaactgctct gagatctgaa aggccagctc 1500
ccgagtcggg gtaagaacta gggcaaacaa acgctgcggg gtctccagca gtgcgttttag 1560
aatgggcaaa gcaaaggcgc ctgtctttcc agagccagtt tctgcaagcc caatgatatc 1620
acgaccttgt aaggccaaag gaatagcttc aatctggatc ttggtgggtt ttgtccatcc 1680
caactggtca caagcttcac acaacacatc tgtcacaccc aggtctttta atgttttagt 1740
ttctctctct tccacaatcg gctgggacgc ttcggctgga gaatcgtggt cctcgggtgc 1800
cgccatcttc tctgtgc 1816

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```

<210> 4477
<211> 673
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(674)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (1)...(308)
<223> similar to gi4206161 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4477

gacagcattg	cagaccatgt	caacagtgt	gctgtgaatg	ttgaagaggg	aacccaaaaac	60
ttagggaagg	ctgcaaaaata	caagctggca	gctctgcctg	tggcaggtgc	actcatcggg	120
ggaatggtag	ggggtcctat	tggcctcctt	gcaggcttca	aagtggcagg	aattgcagct	180
gcacttggtg	gtgggggtgt	gggcttcaca	ggtggaaaat	tgatacaaaag	aaagaaacag	240
aaaatgatgg	agaagctcac	ttccagctgt	ccagatcttc	ccagccaaac	tgacaagaaa	300
tgcagttaaa	aaccaaattt	cagtattatt	ggtgccaaaca	tgtctatcct	gaggaccttt	360
gctgctgttg	gacactccgt	caccttttgg	aacacaagta	tatcaagata	gtggctactg	420
atgttcaagt	gggattgaag	tgtgataaat	ggatatat	tgttgtttgc	tgggggtgtc	480
atggagatgt	taagagattg	aggccctggg	ctgagggtat	ataatgtatg	tcaggtaaag	540
tttgaagact	gccaaggagc	agattttctc	cctggaaatg	tgaaaactgg	aacctataac	600
tctggataag	ggacttggag	anggtgtaga	aacgttgggg	gttatgggaa	gacctagggt	660
tccttcccat	aaa					673

<210> 4478

<211> 1520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (48)...(944)

<223> similar to gi2739048 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4478

gaaacttatt	tccataagtt	aaaacaaata	ggttgacctt	atatggttta	ctttttccca	60
ggagtaaaga	aaattgtgtt	gtggataaca	tcaaagtgtg	cagtaatgac	actgggagtg	120
gaaaattcaa	gtgtgtttgc	atcactatga	gagtgcctcg	gaacccaact	atcggagata	180
aatttgccag	tcgccatggg	cagaagggca	ttttaagcag	attgtggccg	gctgaggaca	240
tgctttttac	tgagagtggg	atgggtcccg	acattctgtt	caatcccat	ggttttccat	300
cccgcatgac	cattgggatg	ttaattgaga	gtatggccgg	gaagtctgca	gctttgcatg	360
gtctctgcc	tgatgtaca	cccttcatct	tctcagagga	gaactcggcc	ttagaatact	420
ttggtgagat	gttaaaggct	gctggctaca	atttctatgg	caccgagagg	ttatatagtg	480
gcacagtg	gctagaactg	gaagcagaca	tcttcatagg	agtggtttat	tatcagcgct	540
tacgccatat	ggtctcagac	aaatttcaag	taaggacaac	tggagcccg	gacagagtca	600
ccaaccagcc	tattggggga	agaaatgtcc	agggtggaat	ccgttttggg	gagatggaac	660
gggatgcgct	tttagctcat	ggtacatctt	ttctccttca	tgaccgcctc	ttcaactgct	720
cagatcggtc	ggtagcccat	gtgtgtgtga	agtgtggcag	tttactctct	ccactgttgg	780
agaagccacc	cccttcttgg	tctgccatgc	gcaacagaaa	atacaactgt	actctgtgta	840
gtcgcagtga	cactatcgat	actgtttctg	tgccttatgt	ttttcggtat	ttgttagctg	900
aactggcagc	tatgaacatc	aaagtgaac	tggatgttgt	ttactttgat	gttgaccttt	960
tggattaaga	ggactatcag	attaaagcaa	aatgtaattt	taattcaatg	aagatatcat	1020
taccaggtta	ctcttgagat	ttttcaacgg	tgttagaact	ctcaaccaag	acctgaaaac	1080
caagtatgca	aggtttctga	atctctctgg	tagattaact	attgacaatg	attttctgtt	1140
atctttgttc	aaaaagttca	tgtcttctca	aaatatgaaa	tattgataaa	tgggaagagca	1200
tacggtgaca	agtctccttt	ccaacccag	gttccttaca	ccctgctctc	agcaggcagt	1260
gagtgtcaca	cacctgttaa	tccatcttga	gcaggacagt	actatacaaa	tagaatgcaa	1320
gctgtaatgt	aattttatat	tttcttatag	ccacgttgaa	gtaaaaacaa	acaggtacag	1380
tgttttttac	cagctttata	gaagtacagt	tgttacatat	ttaatgaata	caatttgatg	1440

```

ggctctgacta tatgcacaca cctttgatac catcaccaca atcagggtaa taaacatacc 1500
tgtcatctcc aaaaaaaaaa 1520

```

```

<210> 4479
<211> 598
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (15)...(436)
<223> similar to gil009457 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4479
ggcacgaggt tacttgggtg accaatagac agaagcacct acgttttata aaggaagaac 60
tttatccctc ttggtctgtg gaggtagtgt ctgagtggca ctgggtaaaa ataaccaatt 120
caggagaatt tgtgttccca ttagattctc cacacaaaaa gccctatgaa ggtcttatac 180
tggggagggt tcaagaaaaa actgctctac cattgaggaa tgcagatgta aacgtgctcc 240
ccattccaga ccacaaatta attgtcagcg tgccctgtac tcttcaactca cataagccac 300
cgcttgctga ggttttataa gactacatca agccagatgg ggaatatattg gagtgttttg 360
ctcgaaattt acagccaggt tggactagtt ggggcaatga agttctcaa tttcagcatg 420
tggtattatt tattgctctg gagtctggaa gctgactatg atcttgatta aagtagtgga 480
ttcttcattg ttctctcacc acttttcctt taattctaag tcattttttt ttttttgta 540
ccaccccata tttttaaaat tataaacggg acttgttttt ttcttttaggg gaccaaatt 598

```

```

<210> 4480
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (42)...(163)
<223> similar to gi625056 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4480
ggcacgagcg cagcttgtga ctctgctctc tctgaccccg ccagggtggat tacaaagctg 60
acgagtggct gatgaaaaac atggatcccc tgaatgacaa catcgccaca ctgctccacc 120
agtcctctga caagtttgtc tcggagctgt ggaaggatgg tacgcccttt gcccttcgcc 180
ccctgcctcc tcttggctgc ggctggctcat ctccacact ccacagtggg ccgagctgcc 240
aaacaagggg tacacatgtg cccctgaca taggccaggt ggtctctgcc ctctgtagct 300

```

```

cccatgagag aggggtcctc ggaccgaaac aggaggccac tgcccttgcg cacacaccgt 360
ggccggg                                           367

```

```

<210> 4481
<211> 1688
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1263)...(358)
<223> similar to gi2088731 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4481
tttttttttt ttacacaata ttatatTTTT atttttaaac actgaattgt acatctttca 60
cataaaacat gagattctag cctgttttaa aaaataagta tacttgctag tactatcttc 120
actctttttt tttttcagaa gccaatgttc tctaaatctg cagcttcatt tccacagctt 180
tacagaatca taatctcttg aatatatttc caatgttatt aaaaaataaa aaatcataca 240
agatatattt agcacattaa aacttaagag gttacagtat aactgtccag acctccaggt 300
accactgaat acttttccag taaaaagagg ccaatatgtt agaataatta attctctgta 360
tttactttta ttaaaaagag gtttttggta gtaagaacaa ataatctctc atttgttgcc 420
tgaaatccta aaataggatc attggtttct aggcttgcta cttgctgctt agcaacctgt 480
cctacttgcc tgccctccct tctgttgtaa agtacagtgg acatgggagc aggctgacga 540
tagatgaata ctgcaggaag gcactcacia agggctgcat acgagtaatt tggagcacag 600
gcaaaaaatt ttttgtctct ctttgatgct tggacatagc ctaaagcatt gaaagtgtcg 660
atgtgctccc acatatcctc ttgtttgctg gagtgtggtt gccagagtag ggcatcaaca 720
tcatggcgca aacagaagca gggcatttct ttaggatcca ctatgacaga gaaaaggtac 780
tggttgcttc caagattcac cacatgagta gtttttaatg tattgccatc aaatctgcat 840
aaactggagc tctcttcaaa gaaaatatca cattcttcta actcttgagc attgcaaggt 900
ggtttttctt tatctggatt tggattcagt tcttcagagg tcaaagcat caaacgttca 960
gctattgcag cacactgggc tgaatctctt ataagttccc cttgtttatc tccaattact 1020
agctctggcc aggtcagtc ttcattcttc ttaatcaagg aaatctccaa gctattactc 1080
tctttaatta tccatgtact gctttcatga tcaatagatg aatagagttt tccttctaaa 1140
aactggtgat ccttcagtac aatgttgatg tgatcaggca aaaactgtat ttgaatgtcc 1200
tccttagtat tgtcttcttg aagccgtatg gttactgtca aatcatcttc agtctgttgc 1260
cagtaataca gaggttcttt gattttctct gatatgtctt catccatatt ttcttcaaga 1320
tcttgaccag cctgaacaaa tgtaaagac ttgtaggata caatcattag accatttcca 1380
tcaggctcaa tagcagcata atgtggcact gactttccac ggagaatatc acgcttaata 1440
atttcatatt ttttattatc ttgatttttc ttactgatag tgacccactc cagagaaaca 1500
tagaaaccac ttcttttcat atccaattcc tctttctcta ttcgaagaag tagggtagct 1560
atagaatgtt cttcagcatt tagcagtgag atactgtgaa ttataataaa aggatcccca 1620
agttcttcat taaacataat ctcccatttt tcagaagcgc tatttccacg ttcacctgtt 1680
ccaatgac                                           1688

```

<210> 4482

<211> 1575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (335)...(629)  
<223> similar to gi3319884 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4482

ggatttcggt	tcctccggct	gggagtggcc	gctctaggca	gcgttgaggt	cgcgggggtg	60
agggggggtg	tgaaaggaga	gcggcctctc	ctctatggtc	acggggccgg	ggcacgcttc	120
ccccactctg	tcttgttact	tccggtagcg	aagcctctcc	ctcttctctt	gctcccgcgg	180
ggtctgtgct	gagaataatg	gcccggttgg	cccgggacga	gtggaatgat	taatgatggt	240
ttgcagcagt	tttctacgtc	tgaaatTTTT	tatgtctctg	gaaccagaa	tttgctaaga	300
gatggaggaa	cctcagaaaa	gctatgtgaa	cacaatggac	cttgagagag	atgaacctct	360
caaaagcacc	ggccctcaga	tttctgtagg	tgaatTTTct	tgccactgct	gctacgacat	420
cctgggttaac	cccaccacct	tgaactgtgg	gcacagcttc	tgccgtcact	gccttgcttt	480
atggtgggca	tcttcaaaga	aaacagaatg	tccagaatgc	agagaaaaat	gggaagggtt	540
ccccaaagtc	agtattctcc	tcagggatgc	cattgaaaag	ttatttctctg	atgccattag	600
actgagattt	gaagacattc	agcagaataa	tgacatagtc	caaagtcttg	cagcctttca	660
gaaatatggg	aatgatcaga	ttccttttagc	tcctaacaca	ggccgagcga	atcagcagat	720
gggaggggga	ttcttttccg	gtgtgctcac	agctttaact	ggagtggcag	tggtcctgct	780
cgtctatcac	tggagcagca	gggaatctga	acacgacctc	ctggtcacaca	aggctgtggc	840
caaatggacg	gcggaagaag	ttgtcctctg	gctggagcag	ctgggccctt	gggcatctct	900
ttacagggaa	aggtttttat	ctgaacgagt	aaatggaagg	ttgcttttaa	ctttgacaga	960
ggaagaattt	tccaagacgc	cctataccat	agaaaacagc	agccacagga	gagccatcct	1020
catggagcta	gaacgtgtca	aagcattagg	cgtgaagccc	ccccagaatc	tctgggaata	1080
taaggctgtg	aaccagggca	ggtccctggt	cctgctatac	gccctcaaga	gctccccag	1140
gctgagtctg	ctctacctgt	acctgtttga	ctacaccgac	accttctctac	ctttcatcca	1200
caccatctgc	cctctgcaag	aagacagctc	tggggaggac	atcgtcacca	agcttctgga	1260
tcttaaggag	cctacgtgga	agcagtggag	agagtctctg	gtcaaatact	ccttctctcc	1320
ataccagctg	attgctgagt	ttgcttggga	ctgggtggag	gtccattact	ggacatcacg	1380
gtttctcatc	atcaatgcta	tgttactctc	agttctggaa	ttattctcct	tttgagaat	1440
ctggctcgaga	agtgaactga	agtaagtatg	ttttaatggg	tgtcacaaca	ggggatggga	1500
aagaaatacc	aagtgagaga	aagatcctct	tttatttctc	acacttgaaa	taaatacctc	1560
atccacccag	aaaaa					1575

<210> 4483  
<211> 1719  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(1720)  
<223> n = a,t,c or g

<220>

<221> misc\_feature  
 <222> (206)...(1286)  
 <223> similar to gi1944136 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4483

ccccggcctcc	aatctgcttc	catggggggtt	ggcttttctga	gtggggagaaa	tgactctaata	60
ctggagacat	ttgctgagac	ccttgtgcct	ggtcacttcc	gtccccagga	tccttgagat	120
gcatectttc	ctgagcctag	gtacttcccg	gacatcagta	accaagctca	gtcttcatac	180
aaagcccaga	atgcctccat	gtgacttcat	gcctgaaaga	taccagggtca	ttttcttggt	240
gaacagtggc	tcagaagcca	atgagctggc	catgctgatg	gccagggcgc	actcaaacaa	300
catagacatc	atttctttca	gaggagccta	ccatggatgc	agtccttaca	cacttggtt	360
gacaaacgta	gggatctaca	agatggaact	ccctgggtggg	acagggttggc	aaccaacaat	420
gtgtccagat	gtttttcgtg	gcccttgggg	aggaagccac	tgtcgagatt	ctccagtgc	480
aacaatcagg	aagtgcagct	gtgcaccaga	ctgctgccaa	gctaaagatc	agtatattga	540
gcaattcaaa	gatacgctga	gcacatctgt	ggccaagtca	attgctggat	ttttcgcaga	600
acctattcaa	gggtgtgaatg	gagttgtcca	gtacccaaag	gggtttctaa	aggaagcctt	660
tgagctgggtg	cgagcaaggg	gaggcgtgtg	cattgcaaata	gaagtgcaga	caggatttgg	720
aaggttgggc	tctcacttct	ggggcttcca	aaccacgat	gtcctgcctg	acattgtcac	780
catggctaaa	gggattggga	atggctttcc	catggcagca	gtcataacca	ctccagagat	840
tgccaaatct	ttggcgaaat	gcctgcagca	cttcaacacc	tttggaggga	accccatggc	900
ctgtgccatt	ggatctgctg	tgcttgaggt	gattaaagaa	gaaaatctac	aggaaaacag	960
tcaagaagtt	gggacctaca	tgttactaaa	gtttgctaag	ctgcgggatg	aatttgaaat	1020
tgttggagac	gtccgaggca	aaggtctcat	gataggcata	gaaatggtgc	aggataagat	1080
aagctgtcgg	cctcttcccc	gtgaagaagt	aaatcagatc	catgaggact	gcaagcacat	1140
gggactcctc	gttggcagag	gcagcathtt	ttctcagaca	tttcgcattg	cgccctcaat	1200
gtgcatcact	aaaccagaag	ttgattttgc	agtagaagta	tttcgttctg	ccttaaccca	1260
acacatggaa	agaagagcta	agtaacattg	tcagaaataa	ataaaaaccac	aagtctcaag	1320
aatttgccac	gtatgttcaa	gggtgaattt	gaagaatttc	agaaccactg	gtatccagag	1380
aaagcctgca	gctntccaca	ggagctgtaa	aagtcattgt	gctgctacca	ccatatgtgt	1440
acagaccctc	ttacgtgaga	atcgatgtca	gggaagtccc	gtactcgaga	taatctaata	1500
gttagtagga	tgtattgatc	cgttcatgat	ggtaccagat	aggatgattt	gcatgactta	1560
gaactttggg	gaaaaaagag	aaaagatata	ttgtgttgcg	ggtcttggtg	tgcgtatgcg	1620
gacagtccat	cntgacatct	cgttaacgcg	cctaccgatg	acgtcgctcg	tgtggggacc	1680
ccgtcttctc	cggacgggtc	caaacgggct	ggtgcgggtc			1719

<210> 4484

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (283)...(761)

<223> similar to gi5832796 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4484
ggcacgagcc cgtctccagc ccgggcttac gccccgccga cagaaaggaa gaggttttat 60
cagaatgtca gcatcacaca ggggtgaaggt ggctttgaga taaacctgga ccacaggaag 120
ctgaaaactc cccaagccaa gctctttacc gtccccagcg aggccctggc cattgcagtg 180
gctactgagt gggattccca gcaggatacc atcaagtact acaccatgca cctgaccaca 240
ttgtgcaaca catcattgga caaccacaac cagagaaaca aggatcagct gatccgggca 300
gccgtgaagt ttctggacac cgacaccatc tgctacaggg tggaggagcc cgagacatta 360
gtggaacttc aaaggaatga gtgggatcca atcatcgaat gggctgagaa aagatacggc 420
gtggagatca gctcctccac cagcataatg ggaccagca tccctgcaa aactcgggag 480
gtgctcgtca gccacctggc atcttacaac acatgggctt tacaagggat tgagtttgta 540
gctgccagc tcaagtccat ggtgctaacc ttgggcctga ttgacctgcg cctgacagtg 600
gagcaggccg tgctgctgtc acgcctggag gaggagtacc agatccagaa gtggggcaac 660
attgagtggg cccatgacta tgagctgcag gagctgcggg cccgcaccgc cgccggcacc 720
ctcttcatcc atctctgtc cgagagcacc acagtcaagc acaagctcct gaaggagtga 780
ggcctgggca gagcacactc agcaggatag aggcagtgca 820

```

```

<210> 4485
<211> 1220
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(763)
<223> similar to gi33980 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4485
gctggaggaa gtactcaaga gtgagctgag tggaaacttc gagaagacag cgttggccct 60
tctggaccat ccagcgagt acgccgcccg gcagctgcag aaggctatga agggctctggg 120
cacagatgag tccgtcctca ttgagtccct gtgcacgagg accaataagg aatcatcgc 180
cattaaagag gcctaccaa ggctatttga taggagcctc gaatcaaag tcaaagggtga 240
tacaagtgga aacctaataa aaatcctggt gtctctgtct caggctaata gcaatgaagg 300
agatgacgtg gacaaagatc tagctggtca ggatgcaaaa gatctgtatg atgcagggga 360
agggcgctgg ggactgatg agcttgctt caatgaagtc ctggccaaga ggagctacaa 420
gcagttacga gccaccttc aagcctatca aattctcatt ggcaaagaca tagaagaagc 480
cattgaagaa gaaacatcag gcgacttgca gaaggcctat ttaactctcg tgagatgtgc 540
ccaggattgt gaggactatt ttgctgaacg tctgtacaag tcatgaagg gtgcggggac 600
cgatgaggag acgttgattc gcataatcgt gaccagggc gaggtggacc ttcaggggat 660
caaagcaaag ttccaagaga agtatcagaa gtctctctct gacatgggtc gctcagatac 720
ctccggggac ttccggaaac tgctagtagc cctcttgac tgagccaagc cagggaata 780
ggaacacagg gtggaaccac ctttgtaag agcacattcc aaatcaaact tgcaaatgag 840
actccgcac gaaaaccctt aagagtcccg gattactttc ttggcagctt aagtggcgca 900
gccaggccaa gctgtgtaaa gttaagggca gtaacgttaa gatgcgtggg cagggcacct 960
tgaactctgg cttagcaagc atctaggctg cctcttcact tttttttagg catggtaact 1020
ggatgttttc taaacactaa tgaaatcagc agttgatgaa aaaactatgc atttgtaatg 1080
gcacatttag aaggatatgc atcacacaag taaggtagc gaaagacaaa attaaacaat 1140
ttattaattt tcttctgtg tgttcaattt gaaagcctca ttgttaatta aagttgtgga 1200
ttatgcctct aaaaaaaaaa 1220

```

<210> 4486  
 <211> 930  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (926)...(263)  
 <223> similar to gi5326797 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4486  
 tttttttttg acattacaaa gttttttaat tctttttaact tagtccagac acaagaagcc 60  
 agattatatt ttaggtgtcg acagaactat ttgtttaaaa tagcaagttc aggtgagtta 120  
 gtagtcatga aaattaaaaat gaaataccaa ttccatttcc tcgtgtacct ctttgcaaat 180  
 gtcggacaaa gcagagtttt ataatagttt aataacttgt gtaacaacgg tggctttggt 240  
 gtatctctaa agtggagtc ttaaattata aaggattttg tgtgcttgaa atcattttca 300  
 ctcatgtcg tggctttaga tgaagaatta ctcttctgga aggaggtttc ttttgaaaag 360  
 tagcctttcc tctgagcata gcatacacca aggccacaaa cggaaatcac taaggccaca 420  
 actactacgg ctgctatgat gccacttatg ttgagatcat ctacttgcac tcgtttccca 480  
 ggacacctgc gatatccaac agaattgcgg gcttcacagg aatattctcc agtgtccagt 540  
 ttggaacag tattaaattg cagagttcca gtttttgtat tcattgtgta tgagctgttg 600  
 gtgctttggg agccaagtct gggattttct agcaaacgga tgccatcctt aaaccatgtg 660  
 tattcaggag ctggattccc ttctttgtct tgacatcgta gctctaccac agttccactc 720  
 agagcagaag agggtaactc acatgatgga actgctggag ccactaatac ttccagagtg 780  
 actgtatcct cttccagggt ttggccttgc tcagatgggg cactaacttc acaacgatat 840  
 ttccccgcac cacttcttgt cacatttttg atccggatat tgaaatctat catctcagct 900  
 cgatttttaa aatcaccttg aagagtctgt 930

<210> 4487  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (2)...(243)  
 <223> similar to gi5650780 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4487  
 agaaaaggct aggatgatat atgaagatta catttctata ctatcaccaa aagaggtcag 60  
 tcttgattct cgagtttag aggtgatcaa tagaaatctg ttggatccca atcctcacat 120



gtatgaagat	gcccacttc	agatatatac	tttaatgcac	agagattctt	ttccaaggtt	180
tttgaactct	caaatttata	agtcatttgt	tgaagtgact	gctggctctt	cttctgaatc	240
ttaatgttca	tttaaaaaca	atcatttttg	agggctgaga	tgggaaataa	aagtagttaa	300
ataacatcag	aaactgagtt	cctggagaac	tacagtttag	cattcctcag	gctactgtga	360
aaacacaacc	gttatgggtc	ttgtctccat	ttttatcaag	gttttccatg	gttaagtttg	420
gagaaaatac	cacacaaaac	aatgaattgc	caaattgttt	gttttattca	agactcaatc	480
tactttgcaa	gcg					493

<210> 4488

<211> 1917

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1877)...(899)

<223> similar to gil217983 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4488

tttttttttt	ttatcattcc	aattcatatt	cagccagtgt	ttattaagag	cctactacac	60
gccagacact	ttacatgctg	atcacattta	ctcctcacia	ccatcttgta	agggagacat	120
catcagtgcc	atttgaacaa	atgaaaaact	gaggtcaga	gagattcaat	accttatcca	180
aagctctcca	gacaataagt	gcaaaaacaa	ggatttgaat	tcaggactgt	ttgattccaa	240
atctggaact	ttctggaacc	tctgacacac	acacacacac	acacacacac	acacacacac	300
acacagcacc	atgtcctgag	ctgctgcctc	ctggactccc	gccagactgc	acctgacaga	360
caaagccaac	taggagggag	gggagtgagg	gagaaggtcc	cacaggtgac	caatgcctgg	420
ccccttcatg	acagcagggg	ctagggctgt	cccacagggg	ctagagagag	gtgtggaagg	480
cagggacttt	cccataatgc	tccctcctct	cagtgcacia	gtgtgctatg	ttgagaaatg	540
gggcaaaaaga	acaaacagtc	cttgccacag	agggagacag	gcagcagcct	tatcaaacia	600
gataaggaga	cccggatgat	gtgccttttg	aggcccctgg	tgggtggagga	ggattgagcc	660
aggtgaatgg	gaaaggaaga	aaagatgaac	ccatcttgga	gtgttggtact	ttggttgctg	720
gagagccaac	agtggagact	ggagacaaat	atttaagtca	ttccggcagg	ccccatgtac	780
gtgcctcaca	atctaaccac	gccaccttg	gccagaaagg	aaggcttctt	atggaggtgc	840
tgccctgtct	agtctgtctt	ctcaggcttt	ctccaggact	tgccgggtctc	caggaagatc	900
ttgaccaggg	acaggaggat	gggcacagcc	ataggcagga	agagtgggat	gtagatggca	960
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tgaatgtaca	gcggtgagtg	tgcaagctca	ggcacgtaga	gtagaaagtt	gagcacaggg	1560
tacaaggagg	cagcactgga	tcccagccgg	gactccactg	ggttgatgac	atgggggagg	1620
ctgtgcatgt	ccaaatagta	gctggaggaa	gctgagtcaa	agcggggatt	cacccccaac	1680
attgcatagt	aaagaatctg	agagtcacac	gagaagttgc	cagcggcacc	gagggcattc	1740
aggaaagggt	gcacatagcg	ccggacagcc	ccctcaatgt	cccagtagac	atcatgggac	1800

```

ttgggggtctg ggttgagtaa actgaagggtg atctcatagc ccaagctgga cttgagaggc 1860
cgctcttctt cagcgtccca cttgtctctt ggaaggggggt cagccagagc agcagca 1917

```

```

<210> 4489
<211> 870
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(871)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (604)...(367)
<223> similar to gi3876766 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4489
ttttttttttt ttcacagcca catatatgtt tattctgcca gtccgtgtcc cacagtctga 60
gactcttctt cccctcccct tcccgccccg tgaagtggcc cggggccgag ccccgctcc 120
atcttggtct agccaattcc caccagttt ccaggagtct catttgcat tccgggagca 180
gctgtccaat gggaaggcag caccctgcc cccccacaa gggggcgga ctcctggtgg 240
atcgaccac tcttgggac cagggatggg gggaacgggc ttccactgag gtccgggtga 300
caggaggggt gtcttcctc aaggcagggt tggagttcag tggaggagg agttctggcc 360
ttggaagagg ccagcagtc cgtgtctgg ggcgggtcc ttgatgagtt tctggatctc 420
cttgaactgg ggggtggacg catcgccac aagctgcaga atgagccct cgctggtgga 480
gaggaaggca ccactctgt tcatgcgggc cagagccacc agccggtcca cctggctgcg 540
tgaggagcag gcgtccacca ccacatggac ctgcagcccc cggcttagga ggtccagggt 600
cgtgttctgt gggtagagag aggtcagggc caaccccgga taagaacggg ggtcctgggt 660
aaggaattgg ggatggtgag tcagaattag gggcccagaa tggggaggag ggaggctcgg 720
atcagaggaa ggggccccca ggtcaggagg ggatccaaga taggatgggg ccacaggtg 780
aggagagagg gccaggtca ggatgggggt cctgcaggca agtggaggtn nnnnnnnng 840
nagngaagac ggnatcaggn nnagncct 870

```

```

<210> 4490
<211> 6336
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3)...(843)
<223> similar to gi3876327 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4490

caatacagagt	aattggtgag	agtgacatca	tgcaggaatt	cctatcagaa	tccgatgaga	60
actacaatgg	tgtgtccgac	gtagagctga	gagtagcatt	accagatgga	acaacgggta	120
cagtcagggg	taaaaagaac	agtactacag	accaagtata	tcaggctatc	gcagcaaagg	180
ttggcatgga	cagtacgaca	gtgaattact	ttgccttatt	tgaagtgate	agtcactcct	240
ttgtacgtaa	attggcacct	aatgagtttc	ctcaciaaact	ctacattcag	aattatacat	300
cagctgtgcc	aggcacctgc	ttgaccattc	gaaagtggct	ttttacaaca	gaagaagaaa	360
ttctcttaaa	tgacaatgac	cttgctgtta	cctacttcct	tcacagggca	gtcgatgatg	420
tgaagaaagg	ttacatcaaa	gcagaagaaa	agtcctatca	attacagaag	ctatacgaac	480
aaagaaaaat	ggcatgttac	ctcaacatgc	taaggacttg	tgaggggctac	aatgaaatca	540
tctttcccca	ctgtgcctgt	gactccagga	ggaaggggca	cgttatcaca	gccatcagca	600
tcacgcactt	taaactgcat	gcctgcactg	aagaaggaca	gctggagAAC	caggtaattg	660
catttgaatg	ggatgagatg	cagcgatggg	acacagatga	agaagggatg	gccttctgtt	720
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attacatgca	tgagtgcctc	gagaggggtg	tctgcgagct	caagtggaga	aaagaggaat	840
attagttaga	gactgattat	ctcatgtgag	ccaggacatt	cttccagcaa	ggttggcctc	900
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tttaaaactg	gaactatgaa	cttcatccat	ttgcactgtt	cagacatata	tatgtatgta	2040
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aatttcatat	tgatggcagt	acctttttta	gcttgtgttt	ttacacacct	ttcactagaa	2160
tccatgacct	ccctcgtgct	ctctttcttt	tgaacaaaac	tttaaaaagg	aaaaaaaagc	2220
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ctcctgggtc	ctcactggcc	ttctccaca	cttgggttct	atcctcaggg	gtagaagctc	5160
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gatgggggca	cttggccgcc	tgctaaacct	ggacattaat	tttatatcat	gacccctttt	6060
taagccagtg	agctgggctt	cagtttttcc	caggccatgc	acattttaatt	tatttcagag	6120
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tgaagagaaa	atacacagac	acaataatgg	ctaacattgt	ttctttcatt	ccttgttcta	6240
gagctaacca	ctctaaaatt	gtttggtaat	gtcacttagt	gtaattaatt	gtaacatatt	6300
cttttaaata	aattgattta	ttgatcaaaa	aaaaaa			6336

```

<210> 4491
<211> 1572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(563)
<223> similar to gi790790 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4491
cttggtactac agtcaagatg aggagtccaa aataatgatc agtgactttg gattgtcaaa      60
aatggagggc aaaggagatg tgatgtccac tgcctgtgga actccaggct atgtcgctcc      120
tgaagtcctc gcccagaaac cttacagcaa agccgttgac tgctgggtcca tgggagtgat      180
tgccctacatc ttgctctgcg gctaccctcc tttttatgat gaaaatgact ccaagctctt      240
tgagcagatc ctcaaggcgg aatatgagtt tgactctccc tactgggatg acatctccga      300
ctctgcaaaa gacttcattc ggaacctgat ggagaaggac ccgaataaaa gatacacgtg      360
tgagcaggca gctcggcacc catggatcgc tgggtgacaca gccctcaaca aaaacatcca      420
cgagtcctgc agcgcccgaga tccggaaaaa ctttgccaag agcaaatgga gacaagcatt      480
taatgccacg gccgtcgtca gacatatgag aaaactacac ctccggcagca gcctggacag      540
ttcaaatgca agtgtttcga gcagcctcag tttggccagc caaaaagact gtgcgtctgg      600
caccttccac gctctgtagt ttcatttctt ctctcgtcggg ggtctcagga gttggagccg      660
agcggagacc caggcccacc actgtgacgg cagtgcactc tggaagcaag tgactggccc      720
tggaagtggg gcccggggtc ggggctgggg aaggggagcc ccagggtcgc cagagccgcg      780
agccactcca gcgagacccc accttgcatt gtgccccttc ctgcatagga ctggaagacc      840
gaagtttttt tatggccata ttttctactg caattctgaa gtgttcattt ctcacaaact      900
gtactgactc gaggggcgct gatttcatag gatctgggtc tgtatatacg aatcttgcaa      960
agctctaact gaacggacct tcttattcct cccccctaac accatcgttt ccactcttct     1020
cagtgtaggt aaccgtctat ggtgtgtttt ttcattaatg acaaaaaaaaa aagggtttca     1080
actggattat ttaaattatt gtaaattatt tgcattaggg tttgtttttc cttttaagaa     1140
gtatgtcctt tgtatctcta agttacatga cctatatctt ttcctcttta atagtagttt     1200
tatgttaacc ttaagagat ttgtttttcc tcaaaggaga atttaaaggt atttttttaa     1260
aattctaata agaggatcag ccgggtgcaa tgactcatgc ctgtaatccc agcacgttgg     1320
gaggccaagt cgggcggatc acaaggctcag gagatcaagg ccatcctggt tctatactgt     1380
gtagattgct ggctactaaa aatacaaaaa attagccggg cgtgggtggca cacacctagt     1440
agtcccggct actcgggtag gctgaggcag gagaattgct tgaacccggg agacggaggt     1500
tgacgtgagc tgagatcgtg ccactgcact ccagcctggg tgacagagca agactctgtc     1560
tcaaaaaaaaa aa                                     1572

```

```

<210> 4492
<211> 1927
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(353)

```

<223> similar to gi4416432 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4492

cggacgcgtg	ggggagctgt	gagtttcgag	gatttcatca	aaggtctttc	cattttgctc	60
cgggggacag	tacaagaaaa	actcaattgg	gcatttaatc	tgtatgacat	aaataaagat	120
ggctacatca	ctaaagagga	aatgcttgat	ataatgaaag	caatatacga	tatgatgggt	180
aaatgtacat	atcctgtcct	caaagaagat	gctcccagac	aacacgttga	aacatttttt	240
cagaaaatgg	acaaaaataa	agatgggggt	gttaccatag	atgagttcat	tgaaagctgc	300
caaaaagatg	aaaacataat	gcgctccatg	cagctctttg	aaaatgtgat	ttaacttgtc	360
aaatagatcc	tgaatccaac	agacaaatgt	gaactattct	accaccctta	aagttggagc	420
taccactttt	agcatagatt	gctcagcttg	acactgaagc	atattatgca	aacaagcttt	480
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tcataatgcc	actgagttca	ggggatggtc	taactcattt	catactctgt	gaatattcaa	600
aagtaataga	atctggcata	tagttttatt	ggttccttag	ccatgggatt	attgaggctt	660
tcacatatca	gtgattttaa	aatatcagtg	ttttttgcta	ctcatttgta	tgtattcagt	720
cctaggattt	tgaatggttt	tctaatatag	tgacatctgc	atttaatttc	cagaaattaa	780
attaattttc	atgtttgaat	gctgtaattc	catttaaatt	ccatttatat	actttaagga	840
aacaagatta	caacaattaa	aaaaacacat	agttccagtt	tctatggcct	ttccaccttc	900
tgttagaaat	tagttttatc	tggcattttt	aaacatttaa	aaattattaa	acatttaaaa	960
attagtttat	tatcagatat	cagcatatgc	ctaataaaac	ttattttaat	aagcatttaa	1020
ttttccataa	tatgttacag	ccaaggccta	tataataaatt	ttggatttgt	tcaatctttc	1080
ttacaggctg	ttttctattg	tatcaatcat	tagtatcaat	cattaagtgg	aagttgaaga	1140
aggcatcaaa	caaaacaagg	atgtttacag	acatatgcaa	agggtcagga	tatctatcct	1200
ccagtatata	gtaatgctta	ataacaagta	atcctaacag	cattaaaggc	caaactctgtc	1260
ctctttcccc	tgacttcctt	acagcatgtt	tatttatatt	acaagccatt	cagggacaaa	1320
gaaagaaacc	ttgactaccc	cactgtctac	taagaacaaa	cagcaagcaa	aattagcaag	1380
caaaattcac	tttgaaagca	ccagtgggtc	cattacattg	acaactacta	ccaagattta	1440
gtagaaaata	agtgtcaca	aactaatcca	gattacagta	tgatttagct	catcataatt	1500
cagattattt	ttaatcatct	tagccaaaac	tgtaaagtgt	ccacattact	aaagccacac	1560
acatcgtccc	tgttttgtag	aaatatcaca	aagaccaaga	ggctacagaa	ggaggaaatt	1620
tgcaactgtc	tttgcaacaa	taaatcaggt	atctattctg	gtgtagagat	aggatgttga	1680
aagctgccct	gctatcacca	gtgtagaaat	taagagtagt	acaatacatg	tacactgaaa	1740
tttgccatca	cgtgtttgtg	taaactcaat	gtgcacattt	tgtattttcaa	aaagaaaaaa	1800
taaaagcaaa	ataaaatgtt	aaaaaaaaaa	aaaaggggcg	gccgttttaa	aggatccagt	1860
tttacgaccg	cgggctggca	aggaaaaatt	ttttttatgg	ggccccctaa	attcaattcc	1920
cgggccg						1927

<210> 4493

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1771)...(679)

<223> similar to gi5817263 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4493

```
tttttttttt ttattttaag gtatctttta atataaattg aaccccagag gcagaaaagt 60
catctaccca acaccggcac attttaaaca tgattaggat ttgtagggtca aaatcccgtta 120
acaaaaaagg gaagtttttg gttgtttcca aaacaaggaa agcatgttaa acagaatctt 180
gtgacttaaa cttcactcaa gtgagcttaa aactggcata attttgatac caaaagtaag 240
ctgaataacc aatacaaaaa acagaactaa ctggagtttt tctcccccac aacatagtc 300
caaatccaaa acaacttata taagggatgc aagtaacaga aaaagtcaaa taaaacaaca 360
gtggttcctg aatttaaagg aaggatgcc cacttctctc tctctcaaga ggcagatggg 420
tcagtttttc ttatccttgt ctttcttggt ttgctgggcc ccagattgct gggcctggga 480
ctgtagtaac tgagccgctg ctttcttctt ctggaagtgt ttcacctct cctcaagctc 540
cttcttcttg tcttcacatt tcttcttttc ttcttggtgt gtcgcttta gaaggcaaa 600
cttctcgtga agctctttct ctgcctcctt aagttcagct tcttctctt tcaactctcat 660
aacaacatt tgtctcattt cttcttcttt cttctgcagt tctcccagga attcattcct 720
ttttgcttca tatgtctcct gaagactgaa gggtttgctg tcagggtcag tgtccttgaa 780
ccccatctct tcaagcttac agcgtcggtta caattcatag tggcggtgtg gagtctgctc 840
tcgcaagtcc tccatgttca cgcggatcag catctctcga agtttcacaa aatcgcaatg 900
attttcattc tcaacctgca ccacacccca ggggtactgc ctggcctttg ccatcttggt 960
gccaatcttc acctcttcgg tgctgccaac cactgcaaat gggagatgga cactcattgt 1020
tgcgtaatac tctgccaccg tttcttcac agtgggaaac tgatatatct ggaccccat 1080
gctgaccagt tcaactcatga tcttactctt gaatttgctc agttcattct tggcaatggt 1140
gtcagctttt gcaattattg gaatgatgtt caccttactg tccagctttt tcatggtgac 1200
cagatccagg gacttttagtg aatgtccagt aggggcaata aagtagaggc aggcattgat 1260
cctcgtgtca tggtagttga agagagaacg tttaatcttc aattcctctt gcaggtaggc 1320
ctcgaactgg gcatcaatat attctactat cggcttatag ctgtcatctt tatttatctg 1380
gtctccaaat cccacgggtg caacaatggt taacttcagc cgtacattgc tttcctgaag 1440
ctcataactt ctggctttta accgaacacc tgggttcattg tgagtagctg ggtaactttc 1500
aaatttggtg ttgaacaaag tgtccattaa cgtggatttg ccaatgcctg tctaccaaac 1560
acaaaggatg ttgaaacaga atccttgaga agtagacttg ttgaccagct ggtcagggag 1620
gctgtcaaat cccacatggc cagacaaaga caagtttcga agctcttcat tagacggtct 1680
ccccacggcc acggccatcg cagctgcggc accggctcgg gctgcgcccg ggtgctttcc 1740
gccgactccg gctgctgcta gtgctcccc 1770
```

<210> 4494

<211> 1836

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(318)

<223> similar to gi849238 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4494

```
agacgctcac ggatatagtg ctctcctggt tccccttcta ctttgaactg aagatcgctt 60
tcgtgatatg gctgctgtcc ccttacacca agggctccag cgtgctctac cgcaagtctg 120
tgcacccaac gctgtccaac aaggagaagg agatcgacga gtacatcacg caggcccagag 180
acaagagcta tgagaccatg atgagggtgg gcaagagggg cctgaacctt gccgccaatg 240
```

ctgcagtcac	agctgccgcc	aagggccagg	gggtgctgtc	agagaagctc	cgcagcttca	300
gcatgcagga	cctgaccctg	atccgggacg	aggacgcact	gcccctgcag	aggcctgacg	360
gccgcctccg	accagccctt	ggcagcctcc	tggacaccat	cgaggactta	ggagatgacc	420
ctgccctgag	tctaaggtcc	agcaciaaacc	cggcagattc	ccggacagag	gcttctgagg	480
atgacatggg	agacaaagct	cccaagaggg	ccaaacccat	caaaaaagcg	cccaaagctg	540
agccactggc	ttccaagaca	ctgaagaccc	ggcccaagaa	gaagacctct	ggcggggggcg	600
actcagcttg	agccccctca	cccccgagg	ctgcagagca	aggatgaagc	ctcaggaggg	660
gcctcagacc	cagccccctg	tccacactgt	gccagtagcc	taggtgtctc	aggccccctg	720
gccccgcaga	tggccatttc	cgggtgctgc	ccagtggcca	ctcttctgga	aggggcttgg	780
aaaagaggaa	ggaggcccag	ctgttggggg	tttgagggtta	gaggggtggac	cagaggctga	840
ggactgagcc	acccaaggag	gtggggactg	ctcggcctcc	accgctgttc	cgtgcagacc	900
ccgcccctgc	ccaccacccc	agtgccttgc	tgaagcccat	agcaatccgc	ttctcagagg	960
tcctatcgtg	tttccactgc	tcgccttggt	ttgggagcag	ggagggggaa	gtcctagccc	1020
agatggacca	aggacggggc	tgaaggcaca	tgggggaaag	ggagcacacg	gggaggacgt	1080
tggggaccct	gggtggggcc	tccaggtgca	gctgtggatg	gaagacaggg	attggcctgt	1140
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gggtggggct	gagtgccaca	tgttcccaca	ttaaaaaggg	gggtccaggg	ctgtgtgagt	1260
gtgtctttct	gggtctaggg	ctcggggtag	tttgggtcaa	ggactgtccc	tccagcagtc	1320
gcctcctccc	accctgagcc	ccacagtcac	ctggcccttt	ccctgctcaa	ccctccctcc	1380
taggctctga	gcctcagagg	acccagccca	tgagagaacg	gggatctggg	gggcctctca	1440
cctgtccta	tgaccttget	cccttttagg	tcacccatt	gccaccgtgc	ccctgggctg	1500
gactcccgtg	ctcctcaggg	cccacccctg	ctctgtctgg	tacaggcccc	tgctgagtgg	1560
gccccctctc	tctgcccctg	gggtccatcc	cctcttgccc	agggccccca	tcctgtacca	1620
agcagactgg	gccctaagac	ccctggcaga	accagcctc	tgctcacacc	cgccccagct	1680
tctgccacgg	cttcagtcag	ggccaggagg	aacacgtgaa	ggagaaaagag	aaatgcagga	1740
gccgcggggc	tcccgttcc	ttgggaagag	ggtgccctt	ggacctttgg	cactggatga	1800
gcccaataaac	caaactctgg	cacctcaaaa	aaaaaa			1836

<210> 4495

<211> 1245

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (42)...(813)

<223> similar to gi309209 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4495

gtaactagta	catcgtaacc	acattacgcc	agcttggcac	gaggggaaca	ccaggcagat	60
tcattttatac	agcgctcaac	gaaccaccca	tcgattatgg	tttccagagg	ttacagaagg	120
tcattcctcg	gcaccctggg	gaccctgagc	gtttgccaaa	ggaagtaata	ctcaaaaggg	180
ctgcggatct	ggtagaagca	ctgtatggga	tgccacacaa	caaccaggaa	atcattctga	240
agagagcggc	cgacattgcc	gaggccctgt	acagtgttcc	ccgcaaccac	aaccaactcc	300
cggcccttgc	taacacctcg	gtccacgcag	ggatgatggg	cgtgaattcg	ttcagtggac	360
aactggccgt	gaatgtctcc	gaggcatcac	aagccaccaa	tcagggtttc	acccgcaact	420
caagcagcgt	atcaccacac	gggtacgtgc	cgagcaccac	tccccagcag	accaactata	480
actccgtcac	cacgagcatg	aacggatacg	gctctgccgc	aatgtccaat	ttgggcggct	540
ccccacctt	cctcaacggc	tcagctgcca	actcccccta	tgccatagtg	ccatccagcc	600



ccaccatggc	ctcctccaca	agcctcccct	ccaactgcag	cagctcctcg	ggcatcttct	660
ccttctcacc	agccaacatg	gtctcagccg	tgaacagaa	gagtgccttc	gcaccagtcg	720
tcagacccca	gacctcccca	cctcccacct	gcaccagcac	caacgggaac	agcctgcaag	780
cgatatctgg	catgattgtt	cctcctatgt	gaaagaattg	ccttgaagaa	ttgtattaat	840
gaagagggtg	gattctgcta	cagagagtaa	tctgatacaa	gtcccagagt	ggaactttta	900
actcaggcct	ttttaagagg	aatcacaata	actgcagatt	tttaaacaaa	caaaatcacc	960
gaccttgcaa	atactgaaat	tggaagaggg	atctgcaagt	gcagggtgtt	ggttaaagtt	1020
gtacctccca	agtatttggg	ggatatattt	attctgtatt	gacaaaagca	aatccacttt	1080
ttctttttct	tttttttttt	ttaagcttaa	ttctgcaatc	atttgtcttt	tataaacctg	1140
aaagctctat	acaagggaca	ctataaaaaa	aactccatgt	tttaatttat	gatgttttta	1200
aagctgtgta	aaggaagaat	gaagtgggtga	tatttacaaa	aaagt		1245

<210> 4496

<211> 1105

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1106)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2)...(690)

<223> similar to gil504002 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4496

ggtggaggaa	tgtttcaaga	acctgaaaat	gaaggtggag	aaggagtacg	gtgtccgaga	60
gatgcctgac	tttgacgaca	ggagagtggg	ccgtcccagg	tctatgctgc	gctcatacag	120
acagatgtcc	atcatctctc	tggtttccat	gaattctgac	tgcagcaccc	ccagcaagcc	180
tacctcagag	agctttgacc	tggaattagc	atcacccaag	acgcccagag	tggagcagga	240
ggaaccgatc	tccccgggga	gcaccctgcc	tgaggtcaag	ctgcggaggt	ccaagaagag	300
gacaaagaga	agcagcgtag	tttttgcgga	tgagaaagca	gctgcagagt	cggacctgaa	360
gcggctttcc	aggaagcatg	agttcatgag	tgacaccaac	ctctcggagc	atgcggccat	420
ccccctcaag	gcgtctgtcc	tctctcaaat	gagctttgcc	agccagtcca	tgcttaccat	480
cccagccctg	gcgtctctcag	tggcaggcat	ccctgggttg	gatgaggcca	acacatctcc	540
ccgctcagc	cagaccttcc	tccaactctc	agatggtgac	aagaagacac	tcacacggaa	600
gaaggtcaat	cagttcttca	agacaatgct	ggccagcaaa	tgggtgaag	aaggcaaaca	660
gatcccagac	tcgtctgtcca	cggacctgtg	agctgctgct	gactagggct	gcatgggaga	720
gccagggagg	ggagtttctg	gaagaggaaa	gccatgcgtg	gaacatcgaa	gcctcagaga	780
gtgggagact	gtccccatca	gttgctctta	cttagaggag	acagagaggc	caatcaggtc	840
ccagactctg	agtgtctaac	agcccagcat	cccctggggc	tgtgatcatg	gtggatgagg	900
aagcttcaac	gtagattcct	gaactcaagg	taccagcaag	aatgccttct	cccagtgtgc	960
tctccccaac	atcctaggca	cagctttcat	aaccagttt	cttaggtgta	agaaactgct	1020
tttatctcat	ttattaagtc	tcagaactta	acagaaaagg	aagcctttta	aatattcttt	1080
ttaattntat	tttagattaa	cagtt				1105

<210> 4497  
 <211> 1013  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (72)...(635)  
 <223> similar to gi4240255 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4497  
 cccctaggag ccctgaacac catacgccag cttggcacga ggggagaagt ctcggtccta 60  
 taatggccag catggcagac agaaacatga agttgttctc ggggaggggtg gtgccagccc 120  
 aaggggaaga aacctttgaa aactggctga cccaagtcaa tggcgtcctg ccagattgga 180  
 atatgtctga ggaggaaaag ctcaagcgct tgatgaaaac ccttaggggc cctgcccgcg 240  
 aggtcatgcg tgtgcttcag gcgaccaacc ctaacctaag tgtggcagat ttcttgcgag 300  
 ccatgaaatt ggtgtttggg gagtctgaaa gcagtgtgac tgcccatggt aaatTTTTTA 360  
 acaccctaca agctcaaggg gagaaagcct ccctttatgt gatccgttta gaggtgcagc 420  
 tccagaacgc tattcaggca ggcattatag ctgagaaaga tgcaaaccgg actcgcttgc 480  
 agcagctcct tttaggcggt gagctgagta gggacctccg actcagaactt aaggattttc 540  
 tcaggatgta tgcaaatgag caggagcggc ttcccaactt tctggagtta atcaaaatgg 600  
 taaggaggga agaggattgg gatgatgctt ttattaaacg gaagcgtcca aaaaggctctg 660  
 agtcaatggg ggagagggca gtcagccctg tggcatttca gggctcccca ccgatagtga 720  
 tcggcagtcg tgactgcaat gtgatagaga tagatgatac cctcgacgac tccgatgagg 780  
 atgtgatcct ggtggagtct caggaccctc cacttcctac ctgggggtgcc cctccctca 840  
 gagacagggc cagacctcag gatgaagtgc tggctattga ttccccccac aattccaggg 900  
 ctcagtttcc ttccaccagt ggtggttctg gctataagaa taacggtcct ggggagatgc 960  
 gtagagccag gaagcgaaaa cacacaatcc gctgttcgta ttgtggtgag gag 1013

<210> 4498  
 <211> 1658  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1646)...(657)  
 <223> similar to gi3169705 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4498  
 tttttttttt ttggctgcac cagtgtatTT tcccatccaa aacatacaca ggggaggctt 60  
 gatgccaccc caggaaacag aataaccctt tctagggact tcttagcaga gactgatctc 120

catctgcccc	caagggctgg	gtgtccaatt	tgtcctgctt	cccagagctg	catggtgggt	180
agaggagtaa	gtggaacata	agaacaggct	tgcattgactg	tgtttatttg	aaccaccaga	240
tctgttccaa	taaagagctc	tccagaccct	gcctcacctt	acaggaagg	gcttagagtc	300
aggaagagg	ggcctgttgc	tcctgtccct	gaaaaaggag	gtcaagatgg	agccccgggt	360
tcctggtgac	cattcagact	cctcccactg	cttgtccctg	tggaggacac	aggacgggt	420
accccatctc	aggtttgggg	tgggatcgct	cacagtcacc	cccgaacag	ccccaaactga	480
gggtgggggg	cctggccctg	gacacctcat	gtctctgggc	cggaagcca	cgatccctca	540
tccatcaggc	ctgctgccgc	tctccacccc	agcgggggat	ggacatctgt	gtccctcgc	600
agtacactgc	ggaccagga	ggccccctgc	atgacattcc	tctccttggc	ctcaggccag	660
caggcggctg	tactctgcc	gagcagagga	ctttctcacc	ccatcccaga	tccgggcagc	720
gtagtgaac	cagttcttct	cggtgaggat	cgtgtgtgac	agctgtggcc	gggccatgga	780
catcacttgg	ctccggagct	tgtcaccaa	ggactggaaa	ctgggtggg	cacgataccc	840
aggcagcagg	gagaagagt	ggctggaacc	aggtcctgct	cttgggtggg	tttcaactctc	900
tgcttcaactg	tccatgaagg	gtaccaggaa	taagttgacc	tcagagtcca	ggaagtcagg	960
tggaagcccc	gggaagacat	tgcattgtaa	catggacaga	gttcccttgt	aacgcagggtg	1020
ggagtggggc	atgagctggt	caatcatcag	gtgcatctgc	cgcagcttcc	gaggacagaa	1080
gtcctctcgg	cgagctttgt	tctgcaagaa	gactagggtg	gggtagtact	cggtgccttc	1140
atcggagccc	gatgagctgc	tggactcgtg	gctgggggat	gggttgagg	gcttcacat	1200
ctctgctgtc	tgcaggaacc	tgtagagact	gaggtctgtg	aaccagtcct	ggacaacaat	1260
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agtgtgggga	aggttgtact	ctggaggcag	tttgcggtca	ttattgatga	gatggtctag	1380
gatagaagg	ctcaggatgg	gctgtgtgtc	caggaaaaca	atccgttctt	gggtaataaa	1440
gaagtcatg	ccactggtct	ggttgcccc	tcgttcttcc	atttcagcgc	tctgggcccc	1500
gaaaacataa	gtcctctggt	cctcctctgg	agtgttggt	gacaacaatg	acatgaccat	1560
ggacttgctt	gtccccctga	ggcccaggac	accaaccacc	aacacatcag	tctgatccaa	1620
caggtagctg	atgccactgt	cacgaattcc	acgtctgg			1658

<210> 4499

<211> 2108

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2021)...(1590)

<223> similar to gi3298605 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4499

tttttttttt	ttaggtttta	taattatttt	aattacaaat	ttccaccaat	tcttgccagt	60
catattattg	tggatatcac	aatgaatta	tataatagta	tattacctta	tattcatctg	120
catgaaactt	aggagaaagg	agagcagaaa	tgtataagtt	tctgagaatg	acaccataaa	180
gctcatattt	acagtatggt	agtctgtaaa	catacaggcc	tgccagttaa	agccactctt	240
tctatcatca	cccagctgca	tgaccctgag	caagtcactt	ttgtttgcta	atttttaata	300
tcacttatca	cctgacttct	ctatctacga	gagttaactg	gctgcatgca	aaataccatg	360
aaaaatacca	tgcactttta	agtgtgaagt	agcactgtaa	agtgacttat	atattactgg	420
tctttctatt	tttagagtat	taatattcat	acatcagtta	aaagtcaaca	tgtgtttgct	480
aagtgatcct	tttgaaagga	tccctttaaa	agttcctagg	catcagcttc	actgacaatc	540
tggtatgatt	ctgaagccag	catttcaact	cttggaagaa	tatacaatag	tcacagcttg	600
aattagtaac	taataaaaata	aatgccctc	ttattctcca	aatgtaata	attcaggagt	660

aatgacatca	agatttttct	cctcaaactg	aggagaaaaa	agcccccccg	tggtttggtt	720
aaatgactta	aaatacaagt	ggtaactatg	gtgactaggg	aaccaatgtt	taaaacatca	780
aaagattatt	acaaaaatcc	aattttcccat	gaattttctaa	aaattaaaaat	tctgagatgt	840
tgtgtctgag	aaactgcttc	ttcagcaaaa	tatttagcac	agactacatc	atcccaaatc	900
tatggtatgg	ccaggtattt	aggtccttca	accaacgttt	ttagaaaggg	tcccgttgct	960
ctttacttgc	aaaatgacta	tctctagggc	ctcaaaattc	aagagacaac	ctagctttta	1020
taatgttaaa	aagggaagac	tttggcatgt	aaactagaac	tacatgattg	tgaatatttg	1080
gcaaattgat	ctctatgtgt	atatacaagc	tatagctaac	atgattatta	caagtttttt	1140
ggaagcttga	aggccaagga	aaataatctg	cacatataac	tttctgattt	atcaagtact	1200
gagatattaa	tgaattcttc	atattgttac	tcctgtatca	gttctttaga	atttcttagc	1260
ctttgggtac	tctaagcctt	ggatggaacc	atttagggag	tagctagata	tatgcaaaga	1320
atattaggat	ttagaaacat	ttctgggtta	tcaaagtga	aagataaata	ttacaaacac	1380
tgaaaaatgtg	aaaataaggt	tcaagagagc	tgcaaaactat	gtgggtacca	gttagaaagt	1440
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aatgacagtg	gtaacctggg	ccatcaagac	atggaacatg	ttatccagga	acttcagaat	1740
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gtggccataa	aaaaatccac	agttcttaat	ctgatcacgg	ttactcctct	gaaggccag	1860
agtcagccca	ttaaacagaa	tgccaaagaa	atagagtttg	ctgttctgta	tgaagatgct	1920
ttcagtgagc	tggttccctt	ccttcagtat	cttttcatta	tagatattag	ccattgaaga	1980
aataaaaacac	tggactataa	taagaacatg	gcccatgcc	agacggatgt	gactgaaaac	2040
tctggctgtg	gtgttccatt	tagcttcagg	aaaagtcct	tcctttgctg	tacaattgtc	2100
ttttctgg						2108

<210> 4500

<211> 2017

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2016)...(1427)

<223> similar to gi5579090 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4500

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gccccctttg	gaacaaaagt	acaggatatgt	gcccgaatcc	tgccctgtga	tgggccttca	180
tgatacgaac	ccccagcccc	ttaaaaaaa	ggttttatat	gaaaggttcc	attttgtttc	240
tgtataaagg	cttttatcct	gtaaggaaaa	aaaaaaaacc	caaaacccta	gacataataa	300
atgcctgttt	tctacaaaaa	caatgtctaa	ctctgggttg	actgatctct	tctcaacagc	360
ccagggcagg	gctggtccct	cattcacctg	tgtccacagg	gccgaagaca	ctgcacacac	420
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tttaagtatg	ataagtgggc	tttgctatta	cttattggaa	aaaccagtaa	gaaaagctaa	600
tcttcaggct	tcaatgtgat	ttgacatgca	aacgggaagt	tttgccaggg	gttaataaag	660
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gagggtgctt	gccagcgcca	actcctctc	atcaagcatg	ccgtcgagct	cgagtcggc	1560
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gctcagcatg	ttgtccactg	cctcgatcag	cttgggcttc	agcgagtggg	atttggtgaa	1920
gtcatagtgc	tcaagctggt	cctgcatagc	cttgacctca	gggaagtccc	ctgcagaaat	1980
ctggtattct	cgctgtagct	gaatgtagat	ttccgcc			2017

<210> 4501

<211> 1790

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1610)...(942)

<223> similar to gil098569 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4501

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aaacaatata	cattcacagc	ttgactagcg	aggctacatc	acaatttata	aagtgccaga	180
ttagtgttaa	ttgtcattca	gcttgatttt	tcacctcagg	gaagggaata	caaaaaagta	240
agggacctcc	tccctctagg	gaacaaaaaa	catttttcta	aaccaatcag	tcatgagggc	300
aaagactact	tttccttcaa	tcccactaat	tagaacacca	tccttttatt	gtcaatactg	360
tactgacttt	caatcttgat	aaagaagata	gcctgaaaac	gtagaatatt	tccagctact	420
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aattgcata	ttgctagcag	tttcatgggc	tggagcacca	tcattggcat	aggctgatac	540
caagacctct	tcattcttca	tgagggtgac	atacagtggc	acattcactg	ccagctttag	600
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tccagggggc	agattagagg	ttctggctgc	tgagaaggca	actcgcactc	gctgaggcag	780
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gcatcagcca	atcacctgcc	atataacaag	cagttaactt	actctaaaac	ccaaactggc	1680
ataagtcagc	aagttcttta	ggatgacatt	tggacacagg	aatgcaaaag	aatagctttt	1740
gcttacaatt	tcaaactctca	attgctgagg	atgcatacca	gtatttgctt		1790

<210> 4502

<211> 1543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1532)...(1351)

<223> similar to gi5006445 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4502

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aaccagaacc	ccccagggtc	ccatccagca	gaaggccag	gagggcagtg	gggtggcagg	180
gctaggcggg	gctgggccac	tcagtgccga	cttggggaag	tgcacgtcct	gaacagcctt	240
gccaaagcag	cgaccgggtg	gaggacaggg	gaagcctggc	ccaagctgtg	gacaagctgt	300
gtctgccgcc	acagttaatc	acaagcctct	gacgacacag	ggccacagag	ctggctactc	360
aacatctggg	acaaaggggt	aggtgaaatc	cacgcgcagg	ggattgctgt	gccgtggggc	420
ggggccagtg	tgcaggagtg	tggtgggtgg	gtctacgtga	tcatacgggc	tactaatcac	480
gggggctccc	atgcgggggc	aggactgggt	gggggggggg	cgggccaggg	cggggcgggg	540
tggggtatcc	cagtggctgc	ttcgtgggcg	ccctggggct	ctgacttccc	tcagcccagc	600
aggccacagg	ggctgcctgc	accacgacac	tcgctggttt	tatggcagga	ggcagaagcc	660
gtggaagcga	atggaaaaca	gcacagctga	cttcacagta	gtagatactg	gtgacacttc	720
atggctgcga	cccagaatga	acttaacgca	cacagggacg	caggggtgtca	ctggctcctg	780
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gaatgctata	ggacctccta	ctattctctt	aaggtcctag	gaaagtttca	ggaactaggg	960
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acgggtttct	gctgaggaag	tgggtttggc	agggcccat	atgccctctc	gggttgtcag	1080
gggtgggaga	caggctgtat	gggggtcctt	catgtgcaga	tggaacagca	tcgcctcaca	1140
gctgtgcaga	cgaacagatg	tgggtctactg	ccacgaacaa	tgcggcataa	aatgatcaaa	1200
tattataata	aagatttgtc	ttcttcatct	cccatactta	caaagtgatt	ctacatttcc	1260
ttggacaaca	ctggagggcc	cgtctcagct	tggcactgac	gctggaggcc	atctccagct	1320

ccctggcccc	tgtggcgagc	tggcggttc	aggtgtcaca	ggccggctgc	tccaggcctt	1380
cgagggggag	ctggctcctg	tggggggagt	tggggctcgg	tgggccgctg	gggttggagc	1440
tattcgatgg	agttgagtgt	ttggtggagt	ccgaatcagg	ctctttgtca	aagtcttggt	1500
ctggatcaga	catacttctc	agaggcacag	tgcacgtac	gct		1543

<210> 4503

<211> 2636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2627)...(2265)

<223> similar to gi57527 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4503

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taattcacaa	aggatgaaaa	cgcaagacat	taatctcact	gtacatacaa	tattacaata	180
aactcgatta	gctgtagact	aataaaacat	ttaagacttc	acacacacac	acacacacac	240
acacacacac	acacacacgt	accttgaaac	aagaaacaca	ggacaatttt	aatctttgat	300
atatgttcat	gaacaccaag	aacaagaaca	tcactgattt	gagtctaatt	gttttctctg	360
gtatacaatc	actaaataag	caagatctaa	agcatactgt	attattaagg	acatcttttag	420
gcaaatataa	acattctgga	tttagggctt	tttctcccca	cccgaaaaca	atctgcttta	480
gctatcaagt	agtttggttt	gttatcaatt	taacacgctc	acaacaacaa	atacagactt	540
tctaccacaa	aattcacggg	gagagggttt	tagacagatc	atacaaaaaa	atacttggtc	600
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aatcactcgc	tttcaaatat	tgatggagaa	ataaaaagt	tacgttgtgg	gtggagaaat	720
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acagaccatg	ctccctgtaa	caaaaccttt	ccaaaccctg	tgttttatta	tacaaagcaa	1020
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atcaagtc	gaatcttgag	aagaaagtac	attatccaat	ttcaggga	aaaaatacag	1920
ttttcttacc	aaattatcca	gtgtatatga	ctgggttagaa	ttttaagttt	tgattttttac	1980

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cttcctctct	gatccctcaa	aaaaaaaagt	caaaatcaaa	gagtcactgc	ttgggtccaaa	2160
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tgcattaaca	aaatcattaa	aatgattaaa	tgtaaaaaga	ggttctggta	attctcgaag	2580
aaacattttg	agggtccag	taatgacatg	aatatcttcc	catttactgt	cattcc	2636

<210> 4504

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2592)...(1037)

<223> similar to gi3721653 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4504

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tggttccttc	acagaaaata	agcctgttgt	gtgggcatct	tgcttgcttg	tagatctttg	180
ttcccagttc	aggaggtttt	tattcagtgc	ttgcttcatt	tactggaaaa	gttcactggg	240
cccacctgtc	aactccttcc	cccacagctt	ccagctcagc	agcaaactgt	aggggaacaga	300
tttactcccc	agttccttct	gtaaataatg	ctttaagaac	agcattcctt	ttggacaata	360
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gctgtcctgg	atctttgcaa	agatgagctt	gtcccagaaa	ctatcatgcc	tgatgatacc	1920
cttttgaaag	tctttgaatt	tactggaaac	agccagcttc	aacaagaact	tcttcaaggg	1980
tgtcttgccc	tcattttgta	ccttatcgta	gatcctgtta	aggagtcgag	gcaccgcggg	2040
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gaatccaact	ctggctccac	agctgtacac	aacagcctgt	acaatcctct	caaacatatg	2160
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tggtcccacg	aaa					2593

<210> 4505

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (39)...(576)

<223> similar to gil354475 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4505

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aag						783

<210> 4506  
 <211> 1834  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(839)  
 <223> similar to gi3747107 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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 <211> 6815  
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<220>

<221> misc\_feature  
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 Run with FASTXY 3.3t00, default parameters

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<210> 4508

<211> 1157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (19)...(837)

<223> similar to gi4097497 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<210> 4509

<211> 3149

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2705)...(2271)

<223> similar to gi4249733 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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ttgtcctaca	aacttgggtc	gtcagcagct	tacatgactc	cattgacaat	tccaccttgt	1260
agtgtcaaca	attaagtggt	tggtgaacgc	tgataaaatg	taagctacct	gaactgatgt	1320
ctaaagcaac	aagtattgtg	aaattttggg	acaaggatta	acttgatgct	taaagttaacc	1380
cccaacagta	actagggggc	cacattccat	cagtgaact	ggaaagattg	gtgtggctga	1440
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gacagatgtg	ttgccatgtt	acttagtcat	actagagagc	cagccaagtt	tgaataatga	1560
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cgggtcacca	gctgtggagc	gtgccggggg	gacaacctgc	cattggatgt	agagaaaagt	1680
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ccacacggca	cacacaagcg	gagctgagaa	gcacgatggc	tctagtcaga	ggacttttgt	1800
gtcgggccag	atttgaagag	gacacggaac	agcatgagcc	tttgtgacaa	aactagaatt	1860
tggaaatgag	gactgtcttg	ggaaaagggg	agacacaggc	acttctctcc	acagcctgct	1920
aacctaattg	gggcagaact	gaaagatcac	tgcagtggaa	actgttctgg	aagaggctgc	1980
aacatagccc	atgcttaggg	actggatggg	ttttgcaaga	gctttttttt	tttttaaact	2040
accatctccc	aacttttaaa	gccagatact	tgacagggat	tttaaatttt	aggggggttca	2100
aggggaaggga	atagcgaagg	gatccctctg	taatattggg	tcaaacaaaa	aagcaaacac	2160
ctcaatgctg	taaaaaaaca	acctgtttga	gctttttaaa	ccccttgccc	ccagcacatt	2220
tcaaaaaacc	ccaggaggat	tctgcaggc	ttaacagttg	gcatcgtagt	gagcttttgt	2280
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aaacctgac	tgactggatc	ccagtggcag	gatgttatgg	ggttcttggg	agttgaacgt	2400
actctccgg	ggggcgagct	gattctctgt	accagtacc	aatccaaaca	gaacagaagt	2460
tcgctgcacc	aggcgatgaa	gggtgctggt	gaggtgtggc	gtgaaaacgt	ccaggtcaaa	2520
tggatcaatg	agggcttcca	gggtggtcagt	cactttctca	attctggagt	ctggcttgct	2580
ccggccactc	ttcacctcgt	caccttggtc	tgtagaaca	atgttgaggt	aacgcagatc	2640
ataaagcagc	tgtagcgcgc	gggtctgggt	gactggaaat	gcaccttctt	tctgcaaatg	2700

aattcccggt	ccccacccat	gaagagagag	gacttggtat	gtgagcgtaa	taaacagctt	2760
caagtttttg	ttgagtttca	gcttgctatt	tcagaagcag	atggttttta	tgctcatatg	2820
gccagtttaa	tctcacggca	acaaaacaaa	tttttggttag	aaacttgacc	ttaaaattaa	2880
aaacctaaca	gcaggggaaga	gacctggccc	ttaaaaaagg	cctcagatgc	tgtaaattgg	2940
tgttctaaag	gggaaaaaaa	ggctccttgc	ctgaaggaga	agtgttttga	ggaggctcat	3000
tagagaagac	ttactgaatt	ctttccaaaa	tcaggatttg	ttccttcttg	ggtttttgg	3060
tgtttgtttg	tttgtttgtt	ttgagataga	gtctcgccct	gttgcccagg	ctggagtgc	3120
gtgacacaat	ctgggctcac	tctcgtgccc				3149

<210> 4510

<211> 2946

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2947)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (214)...(1786)

<223> similar to gi4929551 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4510

ccagggagca	acatgagcaa	aaataggagt	gtgtcagagt	ttggtgtatt	agaggaactg	60
ccagttgttc	atactggcta	ggcagggcct	tacatttgag	gggagaaggg	tgagagattg	120
agctgggttg	aggaggacat	gaaggccttt	gggtgccatg	atgggaggtg	gtggaaggtt	180
ttgacctgtc	caccttctctg	tttctctctt	gaagctgagg	catacgtcag	tggtatgtct	240
ttttgcctgg	gtatatctct	ctcctttttac	ctgctgaccg	tcctctctggc	ctgctgggag	300
aactggaggc	agaagaagaa	gacctgtctg	gtggccattg	accgagcctg	cccagaaagc	360
ggtcaccctc	gagtcctggc	tgattctttt	cctggcagtt	ccccttatga	gggttacaac	420
tatggctcct	ttgagaatgt	ttctggatct	accgatggtc	tggttgacag	cgctggcact	480
ggggacctct	cttacggtta	ccagggccgc	tcctttgaac	ctgtaggtac	tcggccccga	540
gtggactcca	tgagctctgt	ggaggaggat	gactacgaca	cattgaccga	catcgattcc	600
gacaagaatg	tcattcgcac	caagcaatac	ctctatgtgg	ctgacctggc	acggaaggac	660
aagcgtgttc	tgcggaaaaa	gtaccagatc	tacttctgga	acattgccac	cattgctgtc	720
ttctatgccc	ttctgtgggt	gcagctgggt	atcacctacc	agacgggtgg	gaatgtcaca	780
gggaatcagg	acatctgcta	ctacaacttc	ctctgcgccc	acccactggg	caatctcagc	840
gccttcaaca	acatcctcag	caacctgggg	tacatcctgc	tggggctgct	tttctgtctc	900
atcatcctgc	aacgggagat	caaccacaac	cgggccttgc	tgcgcaatga	cctctgtgcc	960
ctggaatgtg	ggatcccaaa	acactttggg	cttttctacg	ccatgggcac	agccctgatg	1020
atggaggggc	tgctcagtgc	ttgctatcat	gtgtgcccc	actataccaa	tttccagttt	1080
gacacatcgt	tcatgtacat	gatcgccgga	ctctgcattc	tgaagctcta	ccagaagcgg	1140
caccgggaca	tcaacgcag	cgcctacagt	gcctacgccc	gcctggccat	tgctatcttc	1200
ttctctgtgc	tgggcgtgg	ctttggcaaa	gggaacacgg	cgttctggat	cgtcttctcc	1260
atcattcaca	tcatcgccac	cctgtctctc	agcacgcagc	tctattacat	gggcccgtgg	1320
aaactggact	cggggatctt	ccgcgcctc	ctccacgtgc	tctacacaga	ctgcatccgg	1380
cagtgcagcg	ggccgctcta	cgtggaccgc	atgggtgctgc	tggtcatggg	caacgtcatc	1440

aactggtcgc	tggctgccta	tgggcttata	atgcgcccc	atgatttcgc	ttcctacttg	1500
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gacgacctgg	atactgtgca	gcgggacaag	atctatgtct	tctagcagga	gctgggccct	1860
tcgcttcacc	tcaaggggccc	ctgagctcct	ttgtgtcata	gaccggtcac	tctgtcgtgc	1920
tgtgggggatg	agtcccagca	ccgctgcccc	gcaactggatg	gcagcaggac	agccaggctct	1980
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cagtgttggg	gccttccatg	ggccccctgtc	ctttggctct	ccatttgctc	ctttgcaaga	2160
ggaaggatgg	aagggaaccc	ctccccattt	catgccttgc	attttgccc	tcctctctcc	2220
cacaatgccc	cagcctggga	cctaaggcct	cttttctctc	ccatactccc	actccagggc	2280
ctagtctggg	gcctgaatct	ctgtcctgta	tcagggcccc	agttctcttt	gggctgtccc	2340
tggctgccat	cactgcccat	tccagtcagc	caggatggat	gggggtatga	gattttgggg	2400
gttgccagc	tgggtgccaga	cttttgggtg	taaggcctgc	aaggggcctg	gggcagtgcg	2460
tattctcttc	cctctgacct	gtgctcaggg	ctggctcttt	agcaatgcgc	tcagcccaat	2520
ttgagaaccg	ccttctgatt	caagaggctg	aattcagagg	tcacctcttc	atcccatcag	2580
ctcccagact	gatgccagca	ccaggactgg	agggagaagc	gcctcacccc	ttcccttctc	2640
tctttccagg	cccttagtct	tgccaaaccc	cagctggttg	cctttcagtg	ccattgacac	2700
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acagctgtgg	gcaccccagt	nctaacctta	gaaagggggc	ttcaggaagg	gatgtgctgt	2820
ttcccttcta	cgttgcccag	tcctagcctc	gctctaagac	ccaggggctg	ggcttctaag	2880
tttcgggtca	agtctttaan	gcaagttctg	tgtaagtca	tgcacacaca	taccctatga	2940
aacctt						2946

<210> 4511

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (39)...(949)

<223> similar to gi56651 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4511

ttgaacagtt	gggaaaggag	tctgggtttc	accagaaagc	tctccagagg	gcccagaaag	60
cagagaatat	gttgagact	cttcagggtc	agctgacaca	cctggaggca	gagctggttt	120
ctggaggtgt	tttgagagac	aacttgaatt	ttgagaaaca	aaaatatctt	aaatttcttg	180
atcagctttc	tcagaaaatg	aagttggacc	agatggctgc	cgaacttggc	tttgacatgc	240
ggctggacgt	ggttttagct	cgaacagagc	agctggttgc	tcttgagagc	aatgcagtca	300
ttgagaacaa	gaccattgcc	cacaatttgc	agagaaagct	aaagacacag	aaagagagac	360
tggagagcaa	agaattacac	atgagcctcc	tccggcagaa	aatagcccag	ctggaggagg	420
agaagcaggc	acgcacggcc	ttggtggttg	agagggacaa	cgcgcatctt	accatcagga	480
acttgcagaa	gaaggtggag	aggctgcaga	aagagctgaa	cacgtgtcga	gacttgcaca	540
ccgagctcaa	agccaaactg	gccgacacca	atgaactgaa	gattaaaact	ttggaacaga	600
ctaaagccat	tgaagatcta	aacaaatcca	gagaccaact	ggagaagatg	aaggagaaag	660



ctgagaaaaa	gctcatgtct	gtcaagtcag	aactggatac	cacagaacat	gaggctaagg	720
agaataaaga	aagggccaga	aacatgatag	aagtggtaac	cagtgaaatg	aagacactaa	780
aaaaatctct	ggaagaagca	gaaaagagag	aaaagcagct	ggcagacttc	agggaggtgg	840
tgctgcagat	gctaggcttg	aacgtgacca	gccttgctct	tcctgattat	gaaatcatca	900
agtgtcttga	aagattggtc	cattcacatc	agcatcactt	tgttacctgt	gcctgcctca	960
aagatgtgac	tactgggcaa	gagaggcacc	cacaaggcca	tttacagctt	cttcattgaa	1020
cactgtatct	cttgagagag	gtggccataa	gacatggcac	acaattccca	atttcacaaa	1080
ttcctcatgt	ctttgagatt	tgatcagttt	gtgaatattt	tatgctttga	tgatatagtg	1140
agaatgcac	acttgcaaaa	acgatctcaa	aagtgtcagc	cttagataaa	cgttcagcat	1200
taaaaacgcc	tattatttca	tttactagca	ttttaggatc	cagaagaatt	ccaccaga	1258

<210> 4512

<211> 2130

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (27)...(789)

<223> similar to gil927192 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4512

cctcgccgca	gtgggcccgc	ccgctggccc	gtttccggtc	cggtgggtac	aagatgacgg	60
agccggggcg	ctctcccag	gacccttggg	tcaaggtgga	gtatgcctac	agcgacaaca	120
gcctggaccc	cgggcttttt	gtagaaagca	cccgaaggg	gagtgtagtg	tccagagcta	180
atagcatcgg	ttccaccagt	gcctcttctg	tccccaacac	agatgatgag	gacagtgatt	240
accaccagga	ggcctacaag	gagtcctaca	aagaccggcg	gcggcgcgca	cacactcagg	300
ctgagcagaa	gaggagggac	gccatcaaga	gaggctatga	tgaccttcag	accatcgccc	360
ccacttgcca	gcagcaggac	ttctccattg	gtcccaaaa	gtcagcaaaa	gccatcgctc	420
tacaaaagac	cattgactac	attcagtttt	tgcaaaagga	gaagaaaaag	caggaggagg	480
aggtgtccac	gttacgcaag	gatgtcaccg	ccctaaagat	catgaaagtg	aactatgagc	540
agattgtgaa	ggcacaccgg	gacaaccccc	atgaagggga	ggaccaggtc	tctgaccagg	600
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gtaagcctca	gaccctgcgg	gagattgtga	ttggcgctct	gcaccaattg	aaaaccagc	780
tttactgacc	ggttcttgga	aacctggaga	acagccaaca	agaggccctt	gaatctctac	840
gtggccactg	aactgctggg	cccgggagac	tggaactaaa	cacctcacac	tggtcagctg	900
gtttctactt	ggtgtttggt	ttttcccagc	cccattttat	cttcagcgga	gccgcggtgt	960
ttgttttggt	aaagcttctg	attaatttat	tatattgacg	ataaaactca	aacctaccca	1020
gccttcccc	cactccatgg	aagtccttgg	gatgggcgtc	tgctctggac	accccaaaga	1080
gctcctgccc	tctcagccct	ttattcaagc	ctcagatttc	tgctcatgat	ctacatagat	1140
ttggaaactg	ttttcctctg	ttttgggtct	ttgggcaaca	tttttgcccc	aagtttgggc	1200
aacattttggc	ccaagtttgg	gcattttggc	agtagctgta	tgggagaaaa	agagtaagag	1260
gaaatattcc	cacagccatg	aagggtgaaa	gggacacctg	tgccatagact	agggctgcct	1320
ggtcagtcct	aggtagggcc	aagggtcttc	tggccatctc	agggaggggc	caccaggctc	1380
ctccctcac	cccatattcc	atcaccttcc	tcctctgctc	tgggtggtaa	gggaagccct	1440
cccggttccc	acaggctatg	atgctgcatg	gcagaggcag	gtataacaca	gcactacata	1500
ttggaaattt	tttatttttc	taaataccaa	tgacgttttg	ctacggttac	aattttgaaa	1560
tattaactga	gcctcaaaat	caccctttct	gtcaagcata	tcttggcctc	tcccatgtct	1620

cagtgttgcc	tgcattttctc	ccaggacttg	ggggtgggg	gaaaagcgta	caaaagatac	1680
ttaaaagggc	tcctggggta	cacaagccca	gcaggtcctg	agtgaagccg	tgggcccctcc	1740
aaatgctcgt	tttatagcaa	cctctctcta	ccctagttct	ccaaattcac	ttctgccttc	1800
ctcaggtttg	atatctggca	ggtttgacta	tccagaggaa	attaaatatt	tttatataaa	1860
attaaattat	aataaatatt	gccaaatgct	ttccttttag	cattgggtcc	aatgtctaaa	1920
tggttaacct	caagctactg	caatttagac	aatgaaatgg	ggctgggggc	tacccccagc	1980
caccagccct	catcctctct	acccagtgc	ctgggggtat	gcctggctcc	tgactgctct	2040
gcttaaaggt	gaaagtagca	ggaacaacaa	caaaagccaa	ccaaaaacaa	ggtagccagt	2100
gcaagacatc	tcactcttct	gacatcctgc				2130

<210> 4513

<211> 1341

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1342)...(262)

<223> similar to gi5052351 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4513

ttttcacagg	gagcattaaa	ttattattcc	atacagccct	ggccctggcc	cttcttgagg	60
gagtgggggt	tgtgggggtg	tgcccagcag	ggatcctgcc	agatgatgtc	cacatgagaa	120
ggcagggtgc	caacagcttc	agcttcaccc	agtccccccc	agacaaataa	tgacaagtcc	180
aggggtcttc	gatgtgtcag	gccagcactc	cccttgctga	tgggaaaacc	ggggctcggc	240
cagccccact	gcatccccctc	acatgatgat	acgaggctct	ggcactgact	cgccaataga	300
cttgtggggc	agcacgctgg	ctccgttgag	gtagagctca	tcattaacta	tgacgtcctc	360
accagcact	gtcacgttct	ccatgcgtac	ccactgacct	acgcggcagc	gccagcccac	420
aatgcaggac	tcaagccagg	aatgggaacg	gatccgggca	tccgcagca	ccgtgcaccg	480
ccggatacac	acaccatctt	cgaccaccac	gccagggtcc	aggctcacat	tggggccaat	540
gctgcagttc	tggccgatgc	gggcacttgg	gtccaccagc	acgttgccca	caatgccagg	600
gcctgagcac	agccgctcag	gctgcttctg	cctcagtga	tgcaggaaga	ggcacatgcc	660
agtgaggaag	tccttgggct	gcccgaatgc	catccagaag	ccctgtaact	ccatggcata	720
tagctgcccc	tccttggcca	taatggggaa	gacctccttc	tcaatggacg	taggctgcag	780
ctggatgcgc	cgcagcactg	cagggtcag	gatgtacatg	cctgcgttga	tcttattgga	840
cacaaacacc	tgtggcttct	ccacgaaccg	gtgaatgcgg	cctgtgtcag	cctcacacac	900
caccacaccg	tacttggagg	gttcctccac	cttgggtcacc	aggatggagc	cctcctggcc	960
atgggtgccg	tggaaactgca	ccatggcttg	gaaggggaaa	tcgcagatca	cgtcactggt	1020
gaggacgaag	aaaggggtctg	cagtctcaga	gagtaggtca	cgggccagcg	ccagggggccc	1080
agctgtcccc	aaaggtcctt	cttcattgga	catggagatt	cggattccca	gcctctgctc	1140
ctgtgccttc	atttccttct	ccagcacctg	cgacatgtag	ctcacggcca	ggatcacgtg	1200
gtccacgcct	gccgcggcta	gcgcctccac	ttggtgcagc	aagatgggct	tattgcagaa	1260
gtccaccagt	ggcttcgggg	tgctcagcgt	cagcggccgt	agccgcgtcc	catagcccc	1320
cactaagatc	agtccttca	t				1341

<210> 4514  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(79)  
 <223> similar to gi5441325 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4514  
 ggaattcgag cgtgtgactg cggaagctgt gaagccacgg gagacctcgg agcctagagc 60  
 agcagctcag cgcttctgtg agaaattccc ttccctttga agttttttgc cctttatttg 120  
 catccttaaa gcagttcgct tgttttccct ccttggaaaa attaattatg atagtattgg 180  
 cttatttatg atcaccaaga cttgtattcc cttagcatag cttacagtat aagttcacac 240  
 ttagctttga gcaccagcac caggaagaca gctttttaaa attacttact tacgtaccat 300  
 cttgttccaa aaaagatttg tgggtgtaca aaagctatat agaatacaga agatgaaaaa 360  
 ggaattgagt gtagccagag ggtggaagca gccacgggtg cccatcaaca gataaatgga 420  
 taaacaaa 428

<210> 4515  
 <211> 1218  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1215)...(498)  
 <223> similar to gi3294180 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4515  
 tttttttttt ttggtacacg cactggcttg tttattagaa aaagtcttag agactcagta 60  
 aggcacgaag tccaggaagt gggcaggggtc ccctggggga cgtgaccagg aacaccaggg 120  
 cttcagtgcc ggatgccccca ctgtgggtggg agttccccgc tctctccagc agccccgctc 180  
 ccgtggagcc tgaggacaag ggagcccttt catccgagat gctgaatatg ggcaacaggg 240  
 aggaggggaa ggaagaggca gctccaccgt gtgggtgtgg cgggggggatg gggctctgca 300  
 ggagcctgat gctcctcggg ccctgaaggc actacgacta gaaggcccg ctcagggggca 360  
 ggtcctggag ctggggcagg ggtgggggct cagcctggct gattgggtgtg gggagggggc 420  
 aggttggctg tcaactgagc gagaggcacc aggtggcagg aggcaccaga tggcaggctg 480  
 tgaggctgcc tcaactgaag tcgcggttgc gcaggaggag tggggctacc aggtccaca 540  
 ggtagaggag cagccctgcc cagctggcac agatcttcac ccacacggcg gtccacgtgc 600  
 tgatcatctt ccgggtctca ccgggcttgt accagttggt gaggctcatc atgacgtgca 660  
 gtgaggccag caccaggcag aagtgaaga aggagtagct gtaggtgacg ccgtcctgct 720  
 cgttgtcaaa ggcggggccc tcacaggctg ccacctgctg ctgctgctgc tgtgtggcgt 780  
 ctagcatagg tgggcactcc tcgggtctgca tcaggctggt cacctgccgg tggctctgagg 840

agcgcagact	gatgaagagg	gtgcacagga	ggaagatgat	gaggcccaca	atgctcgggg	900
catcccacca	ctgggtctca	tagccctcgg	ggcctgccac	aactgtctcg	ttgccagct	960
gggttggtcaa	atgggggttg	catttctgtt	cagggatact	ggatagggct	gaccaggtga	1020
caaacatggt	gtagaggggtg	atgaccgagg	cctgcagcag	acccgagttg	ggctgggcgt	1080
cctggacctt	gggcaggaca	gcagcgatgg	acacgcagac	acagaagggtg	aggttgaggc	1140
tgataaagac	cttgccctcg	tggcagccgc	tgggctcagt	gtagtacatg	aacatcagcg	1200
ccacgggaat	tccagcac					1218

<210> 4516

<211> 1873

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (297)...(1534)

<223> similar to gi1552350 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4516

cccacgcgtc	cgcttgcctc	agcctcccaa	attgctgaga	ttatatggca	tgagccaccg	60
cgcccgccct	gagctcatca	gttctgacac	acttaagtag	taaattgttc	ctacagttcc	120
ttgaagctca	tcttctcaca	gagaaggact	gtatttaact	tcgaggctta	tgaacattta	180
aattaccaag	gctttcctcc	atcacaggga	ggaacaaccg	tctctagtct	taatataaat	240
atttttatga	gaattccaaa	agagaacaag	tagatttatc	tgcatttttt	gtgtaatcaa	300
caggacagtt	ttggcagtgt	actgacttac	acttagacc	tacttaccac	atcacagatg	360
accacacaaa	agtgtgtgct	tcatctaaag	gtgcaaatgc	ctccaaccct	ggcccttttg	420
gagatgttct	gtgtgattct	ccatatcaac	ttattttgtc	agcatttgat	tttattaaaa	480
attctggaca	agaagcatct	ttcatgat	ggacagggga	tagccacact	catgttccctg	540
tacctgaact	ctcaacagac	actgttataa	atgtgatcac	taatatgaca	accaccatcc	600
agagtctctt	tccaaatctc	caggttttcc	ctgcgctggg	taatcatgac	tattggccac	660
aggatcaact	gtctgtagtc	accagtaaag	tgtacaatgc	agtagcaaac	ctctggaaac	720
catggctaga	tgaagaagct	attagtactt	taaggaaagg	tggtttttat	tcacagaaag	780
ttacaactaa	tccaaacctt	aggatcatca	gtctaaacac	aaacttgtac	tacggcccaa	840
atataatgac	actgaacaag	actgaccag	ccaaccagtt	tgaatggcta	gaaagtacat	900
tgaacaactc	tcagcagaat	aaggagaagg	tgtatatcat	agcacatgtt	ccagtgggggt	960
atctgccatc	ttcacagaac	atcacagcaa	tgagagaata	ctataatgag	aaattgatag	1020
atatttttca	aaaatacagt	gatgtcattg	caggacaatt	ttatggacac	actcacagag	1080
acagcattat	ggttctttca	gataaaaaag	gaagtccagt	aaattctttg	tttgtggctc	1140
ctgctgttac	accagtgaag	agtgttttag	aaaaacagac	caacaatcct	ggtatcagac	1200
tgtttcagta	tgatcctcgt	gattataaat	tattggatat	gttgagtagt	tacttgaatc	1260
tgacagaggc	gaatctaaag	ggagagtcca	tctggaagct	ggagtatatc	ctgaccagga	1320
cctacgacat	tgaagatttg	cagccggaaa	gtttatatgg	attagctaaa	caattttaca	1380
tcttagacag	taagcagttt	ataaaaatac	acaattactt	ctttgtgagt	tatgacagca	1440
gtgtaacatg	tgataagaca	tgtaaggcct	ttcagatttg	tgcaattatg	aatcttgata	1500
atatttctta	tgcagattgc	ctcaaacagc	tttatataaa	gcacaattac	tagtatttca	1560
cagtttttgc	tcaatagaaa	tgctgattct	gattctgaga	tcaattttgtg	ggaattttac	1620
ataaatcttt	gttaattact	gagtgggcaa	gtagacttcc	tgtcttttgc	ttcttttttt	1680
ttttcttttt	gatgccttaa	tgtagatata	tttatcattc	tgaattgtat	tatatattta	1740
aagtgtctcat	taatagaagg	atggatgtaa	attggatgta	aatattcagt	ttatataatt	1800

```

atatctaatt tgtacccaag attgaacctg tcattttatac aataaagcga attctttatc 1860
tctaaaaaaa aaa 1873

```

```

<210> 4517
<211> 1474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1475)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (232)...(650)
<223> similar to gi3116113 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4517
gcggnggaat tcggaaaatt ccaaagtgtc tccaatggtc tttgattttg aacatgcatg 60
gtaagagggtc aggaagaaaa gtaagtaaat aagtaaacag acctgatgtt ctctctcata 120
aagccaccct catccttact tgactttgac atctctatag ctcccttttt tccctagtaat 180
attgaaagga ttacccttgt tggccctagg tggttactgt gtgattttac tgttattaaa 240
tctattataa actgcttcat tattcctgac cttgactcta tctctccttt aatccttccg 300
tcgccctctc agaaatccca tgctgttggt ccccgagaaa tccgagagcg agccacagtc 360
ttgcagacgg tatttgaaga ttacgtgcac tccagtgaaga ggagggtctc ctgggcaaag 420
aaagctctgc agtccttcat ccaagcctac gccacctacc ccaggaggct gaagcacatc 480
ttccacgtcc gatccctcca ccttgggcat gtggcgaaaga gcttcggact aagagatgcc 540
cccaggaatc ttagtgctt gactagaaaag aagaggaaaag cacacgtgaa aaggcctgac 600
cttcataaga agaccagag taaacacagc ctgcgtgaaa tcctacgttc ggaataactca 660
agcggcatgg aggcagcgt cgccaagggtc aaaaagcaaa acgcacctgg agagcctggt 720
ggccggcccc tgcagcacag tctgcagccg acaccctgct ttggccgtgg gaaaacatta 780
aaatggagaa aaacccaaaa aggtgtacag cgggacagca agacttcca gaaagttaa 840
aatctctctg ggtcttcgag tggaaacctg aagccccggg tggcagtgga ttgatgtcca 900
gttcttgtca gaggagcctt gtgaaaaata actgcgcctt tgcctgaata ccacgtcccc 960
aagaatcaga gggggccacag cccttctcct ccatgggagg ccctggagcc tgatagaaat 1020
cagtgggtgtg gggcactgta gagactagcc agctcccgac ggaaggggtc tgtgtcttgt 1080
attgatccca tcagtgcctg gcactccctt caccaggtg ctgacgtgcc ggggttgagc 1140
tggcaccctg ggatgtgatg taagaacgcc ctgcgcgcca gcctggaacg ggcttgattg 1200
ctgcccttaa ctgtgttctg aagtttcaca gcttggcttc agcctatcag cgcatacatt 1260
ggcatgaatt ttgtgaatta ggggtgttaa aactggaatt gaatttgtac aaaaagagaa 1320
tatatttata actaattatt ttcttaattg aggaatgtac cgttaaaaag caccactgca 1380
ctccagcctc ggtgacggag cgagactccg tctcaaaaaa caaacaacaa aacaaacaaa 1440
acaaagcagg tgtattgcgg ccgctctaga ggat 1474

```

<210> 4518  
 <211> 2958  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(461)  
 <223> similar to gi6016936 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4518
agtgactgaa aagactgcgg aagacaagtc gagtagccat gatgtgaaaa cagacacttt      60
agctgaggac aagcctggtc caggtccatt ttctgacag tctgaacctg caataactac      120
tagtagtcct gtggctttta acccatttct catcccagga gtatctcctg gactcattta      180
cccatccatg ttctctctcc ctggtatggg catggctctg ccagccatgc agcaggccag      240
acactcgga atagtaggtc tggagagcca gaagaggaag aagaagaaga caaaggggga      300
caacccaac tcccaccag agcctgtctc cagctgtgaa agggagcca gcggtgatga      360
gaactgtgcc gaaccagtg cccctttgcc cgcagagaga gaacatgggg cacaggctgg      420
ggagggggca ctcaaagact ccaacaacga caccaattag aacttttttc atttaagaaa      480
ttattgtgac ttgtaagttt cttatcccat aaaggtttgg tacttccctc acttcacctc      540
cataagaacc tgtgtttcca taagtaagat tacgtacctg atttcctgtc tgagaactat      600
ggtaacagat gttaatagtt gcagggtctc accacttcat tagataagtg ttgtctacct      660
agtctaggag gcacagaatt ctcatctgtt tatccagttc attccagcaa tcatagttaa      720
tacagtactt ggtgacacgc cctacccctt tctcttccaa gtttccact cacttgagga      780
ggaaaaatgg caaaagaaag ctgtctaggg ttttaccatt gaagggtgga agaacagaga      840
caaagaggag ctctttttct gtgagctggg ttgcacagga agaatgtcac agggaaccaa      900
aaagcacaga aaaaggaagt gctggtgcat atttttgagt taaaatattt ccctatttta      960
tcatgattac taagttagta gtatagacag aagtatataa ctaatggttg aaaatacata     1020
tttcatttcc tttataaaaa acaaaaaacct taccggtagt aatataattt ccccttggt      1080
ggtttttcag acacctgcag caagaagaaa tactgactga ctaggcatta ttttctatac     1140
atccctctca ccagtgaaaa gattcctctt gctgcgagaa agctttacc accatgagtt     1200
attgctgtcg acgggggtgg ggcaaggacc cgcgctcgt agagctacac gctgcttcac     1260
aagcacacgg ctagcgtctt gctctcacct ggttcgctta cagatttctc tagccattaa     1320
tttgctctc tgtgtttaaa gagcaccagg accgaatgga ttttcacttc aggccttctc     1380
tcaccaagaa taaggttctt tctggagcct gcaagaagac agttgcccaa cactttgaca     1440
cttgctagta ggtccittga tcaagagtgt ctgaggctgt caaatgtgtg ccacccttta     1500
taatacagct atgaaaagtt acttctccat taatttctcc attctgttta tatcttacag     1560
ttggaccaa attccaaatt atcagttaat cgaaactaca ttgcaagtca acattatttt     1620
ctcttcttcc tcagcttctc catgtttagg aactgagaaa gaacctgcct aagcagcact     1680
tccccatgtc ctttcacctt catgttaacg tcccttctga tggctctact cttcacaggt     1740
agttcacact ctgagacttg aagtaagctc atggttcagt actctggggg cgcagggctg     1800
cgcagggacc cttggaaatg ttgcaagtgt tactagtacc agtttctact tttgttgtca     1860
caatttactg tattttttac tttttctgtt acagttttgc taatttatca gaagggtccaa     1920
aagtctgaca taactatttc attttgcatt atttatttat gatgcttttt tcattgtctt     1980
ttatacattt gggattataa attatgtaaa tgtaaaaatg agcatctcaa agaagtctgt     2040
taaatcatga ctgaaaaaaa tcaatcagat gtatcttcaa aaagtggagt cccagtttta     2100
tgaatcagag atataaacca gaaattctat aactgatcat agaagaagaa tccagtaatt     2160
gaacaaatcc tatttaatga catccttgta gcatagatgg tctataatgc tgaccacaga     2220
tttcttagaa atgtgtctct ctctatttaa ctaacatttt gttcagtttt gcctccagtg     2280
gaagcagaaa gggttttttc agctgttaaa tccataaaat caatataatt tatttatgta     2340
agaaaaataa ctcaatcaat atatttttga accttttaag tactaatttt ctttttatca     2400
agtagaaaaa aaaatgtatt tgccctaaat ccttaaaata caaatgctat aaaaattcct     2460
gtatcttgaa agccttactg caaatgagta ttatagacat ccagcagagt ctggttttct     2520

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ttgttgctgt	tgtgttggtg	ttgttttgta	tggaaaagct	gctttccccg	ggttccactt	2580
ataacctccg	gtaggtcaca	gggttcaatg	tggatctgac	ttaaaaaccc	accagcatgc	2640
tcaatccctt	gttatcctta	tggaatctgt	atgttaactc	tctgggtgtt	caggcttcta	2700
tttgactgct	gttgtgaccc	tgtttgcaaa	atgaatatga	cactctgtgg	attatttgct	2760
ctgtaaggca	caagtgtctt	ttatgattat	tttgacgttt	ccaagagcaa	aagccaaatt	2820
taaactctct	tcagcaaaact	tgagcctttt	catctaattc	catgtcactc	acggccataa	2880
ctttccttga	ccattcttca	ccccatgtct	tacataataa	attgtggtct	tgatcctgga	2940
tttaaaaaaca	aaaaaaaaa					2958

<210> 4519

<211> 1154

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (15)...(953)

<223> similar to gi2558501 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4519

actacagtgc	ggtggaattc	gctgagcgag	gcagcggcgg	cagcagcggg	gacgagctca	60
gggaggacga	tgagcccgtc	aagaagcggg	gacgcaaggg	ccggggccgg	ggtcccccg	120
cctcctctga	ctccgagccc	gaggccgagc	tggagagaga	ggccaagaaa	tcagcgaaga	180
agccgcagtc	ctcaagcaca	gagcccggca	ggaaacctgg	ccagaaggag	aagagagtgc	240
ggccccgagga	gaagcaacaa	gccaagcccg	tgaaggtgga	gcggaccggg	aagcggtcgg	300
agggcttctc	gatggacagg	aaggtagaga	agaagaaaga	gccctccgtg	gaggagaagc	360
tgcagaagct	gcacagtgag	atcaagtttg	ccctaaaggt	cgacagcccc	gacgtgaaga	420
ggtgcctgaa	tgccctagag	gagctgggaa	ccctgcaggt	gacctctcag	atcctccaga	480
agaacacaga	cgtggtggcc	accttgaaga	agattcgccg	ttacaaagcg	aacaaggacg	540
taatggagaa	ggcagcagaa	gtctataccc	ggctcaagtc	gcgggtcctc	ggcccaaaga	600
tcgaggcggt	gcagaaagtg	aacaaggctg	ggatggagaa	ggagaaggcc	gaggagaagc	660
tggccgggga	ggagctggcc	ggggaggagg	ccccccagga	gaaggcggag	gacaagccca	720
gcaccgatct	ctcagcccca	gtgaatggcg	aggccacatc	acagaagggg	gagagcgag	780
aggacaagga	gcacgaggag	ggtcgggact	cggaggaggg	gccaaggtgt	ggctcctctg	840
aagacctgca	cgacagcgta	cgggaggggtc	ccgacctgga	caggcctggg	agcgaccggc	900
aggagcgcga	gagggcacgg	ggggactcgg	aggccctgga	cgaggagagc	tgagccgcgg	960
gcagccaggc	ccagcccccg	cccagactca	ggctgcccct	ctccttcccc	ggctcgcagg	1020
agagcagagc	agagaactgt	ggggaacgct	gtgctgtttg	tatttgttcc	cttgggtttt	1080
tttttctctg	ctaatttctg	tgatttccaa	ccaacatgaa	atgactataa	acggtttttt	1140
aatgaaaaaa	aaaa					1154

<210> 4520

<211> 430

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (10)...(128)  
 <223> similar to gi3012097 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4520

ggaattccgc	tgctgcgctt	ccgcttcctg	ctggaccaca	cggagccccg	caggaagccg	60
gagctgatca	tgcgcgctga	aggaggactt	tggctgcgag	gggagcccct	gaacgcgggc	120
ttgcagtjac	cctctgaccc	atccacctgc	ctttccagat	tctccggaat	aaaactgtgc	180
ctgggcctct	actgacagcc	agcagggggc	tcttgaggac	tgggaggcgt	cagggaaagg	240
gcataacctg	ggcgggttag	gtggggtgtt	gtcactgaac	ccaagaacct	gactgcctct	300
ttggctgac	atagggcctc	catgctttgg	gagtgtccca	agaccgaggt	ccttagccag	360
ctcagaacac	agggatagaa	gggtgcagct	tctatcctgg	taggctttta	ggaattctta	420
gctccctttc						430

<210> 4521  
 <211> 1888  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (22)...(1799)  
 <223> similar to gi339804 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4521

tttcgtgcgg	ctgctgcggc	tccggggcggc	tctgactctg	ctcggggagg	cccccgccg	60
ccgggcctcc	cgggggtccc	gggctcgcgc	aggacgcaga	agggcagtg	agccaggtg	120
gagaaggaga	agcacgaaga	cggggtgaag	tggagacagc	tggagcacia	gggcccgtac	180
ttcgaccccc	catacgagcc	ccttcccgc	ggagtgcgtt	tcttctatga	aggaaggcct	240
gtgagattga	gcgtggcagc	ggaggaggtc	gccacttttt	atgggaggat	gttagatcat	300
gaatacacia	caaaggaggt	tttccggaag	aacttcttca	atgactggcg	aaaggaaatg	360
gcggtggaag	agaggggaag	catcaagagc	ctggacaagt	gtgacttcac	ggagatccac	420
agatactttg	tggacaaggc	cgcagcccgc	aaagtccctga	gcagggagga	gaagcagaag	480
ctaaaagaag	aggcagaaaa	acttcagcaa	gagtccggct	actgtatttt	agatggtcac	540
caagaaaaaa	taggcaactt	caagattgag	ccgcctggct	tgttccgtgg	ccgtggcgac	600
catcccaaga	tggggatgct	gaagagaagg	atcacgccag	aggatgtggt	tatcaactgc	660
agcagggact	cgaagatccc	cgcagccgcg	gcggggcacc	agtggaaagga	ggtgcgctcc	720
gataacaccg	tcacgtggct	ggcagcttgg	accgagagcg	ttcagaactc	catcaagtac	780
atcatgctga	acccttgctc	gaagctgaag	ggggagacag	cttggcagaa	gtttgaaaca	840
gctcgacgcc	tgccggggatt	tgtggacgag	atccgctccc	agtaccgggc	tgactggaag	900
tctcgggaaa	tgaagacgag	acagcggggc	gtggccctgt	atttcatcga	taagctggca	960
ctgagagcag	gaaatgagaa	ggaggacggt	gaggcggccg	acaccgtggg	ctgctgttcc	1020
ctccgcgtgg	agcacgtcca	gctgcacccc	gaggccgatg	gctgccaaca	cgtggtggaa	1080



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gtgtacaaga	acttacagct	ctttatggag	aacaaggacc	cccgggacga	cctcttcgac	1200
aggctgacca	cgaccagcct	gaacaagcac	ctccaggagc	tgatggacgg	gctgacggcc	1260
aaggtgttcc	ggacctacaa	cgctccatc	actctgcagg	agcagctgcg	ggccctgacg	1320
cgcgccgagg	acagcatagc	agctaagatc	ttatcctaca	accgagccaa	ccgagtcgtg	1380
gccattctct	gcaaccatca	gcgagcaacc	cccagtacgt	tcgagaagtc	gatgcagaat	1440
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aagaggcggc	tcctggagaa	gctgcaggag	cagctggcgc	agctgagtgt	gcaggccacg	1620
gacaaggagg	agaacaagca	ggtggccctg	ggcacgtcca	agctcaacta	cctggacccc	1680
aggatcagca	ttgcctgggt	caagcgggtc	agggtgccag	tggagaagat	ctacagcaaa	1740
acacagcggg	agaggttcgc	ctgggtcttc	gccatggcag	gagaagactt	tgaattctaa	1800
cgacgagccg	tgttgaaact	tcttttgat	gtgtgtgtgt	ttttttcact	attaaagcag	1860
tactggggaa	ttttgtacaa	aaaaaaaa				1888

<210> 4522

<211> 1607

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1608)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (446)...(1342)

<223> similar to gi2407788 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4522

gcagtgcggt	ggaattcctg	gaagggaggg	gggcagcagc	cgccccctgg	aggaagggac	60
cgggtctagc	cccgcctgcg	tgcgaggcgc	cgcgccaggg	tctgaggatg	ctttttaccc	120
aacaagggcc	aagcaggcgc	gggtgtccca	ggagctgaag	aaggctgcc	agcggaccgt	180
gagcatcagc	gagggcccgg	acaccctagg	cgatgggatg	agggagagaa	gggagactct	240
ggctctggcc	cctgagccag	agcccctgga	gaaggaagct	tgtgagaagt	ggaagaggcc	300
cttcaggctc	gcctcagcca	cctccctgac	gctgtcccac	tgtgtggatg	tggtgaaggg	360
gcttctggat	tttaagaaga	ggagaggcca	ctcaattggg	ggagcccctg	agcagcgata	420
ccagatcatc	cctgtgtgtg	tggctgcccc	acttccctacc	cgggctcagg	atgtgctgga	480
tgcccacctc	tctgaggcca	atgctgttcg	ttttggcccc	aacagcagcc	tcctggccac	540
tggaggggct	gaccgcctga	tccacctctg	gaatgttgtg	ggaagtcgcc	tggaggccaa	600
ccagaccctg	gagggagctg	gtggcagcat	caccagtgtg	gactttgacc	cctcgggcta	660
ccaggtttta	gcagcaactt	acaaccaggc	tgcccagctc	tggaggtggg	gggaggcaca	720
gtccaaggag	acactgtctg	gacacaagga	taaggtgaca	gctgccaaat	tcaagctaac	780
gaggcaccag	gcagtgactg	ggagccgcga	ccggagctgt	aaggagtggg	acctcggccg	840
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ccatatcatc	attagtggcc	acaatgacca	gaagatccgg	ttctggggaca	gcagggggcc	960
ccactgcacc	caggtcatcc	ctgtgcaggg	ccgggtcacc	tccttgagcc	tcagccacga	1020
ccaactgcac	ctgctcagct	gttcccagga	caacacactc	aaggtcatcg	acctgcgtgt	1080

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agctgtgttc	agcccggaca	gaagctatgc	actggcaggc	tcctgtgatg	gggcccttta	1200
catctgggat	gtggacaccg	ggaaactgga	gagcagacta	cagggacccc	attgcgctgc	1260
cgtcaacgcc	gtggcctggg	gctactccgg	gagccacatg	gtgagcgtgg	accagggcag	1320
gaaggttgtg	ctctggcagt	agggccacga	cctgcctgcc	tgggctggag	ctcttgcccc	1380
aagcctgaag	cttccttcgg	cgccatgcag	gggttggggg	tgggactgga	gctggccttg	1440
ggatttaatg	gggaagaagg	cctggcagga	cctggcctgt	ttgtttaaaa	atgaagtatg	1500
ggttggggga	ttacgctagt	ttttctttgt	atttttatct	ctatctatct	cctcactttt	1560
tctcccaaag	tagaaaaaaa	tgatatctga	actgannaaa	aaaaaaaa		1607

<210> 4523

<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (52)...(437)

<223> similar to gi5824631 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4523

ctaccatccc	ccatgaggag	gaaatcaaca	caactgataa	aagaagctga	tgaaaaacat	60
cagagagaga	gagagttttt	attaaaagaa	gcgacagaat	cgaggcacia	atacgaacaa	120
atgaaacagc	aagaagtaca	actaaaacag	cagctttctc	tttatatgga	taagtattgaa	180
gaattccaga	ctaccatggc	aaaaagcaat	gaactgttta	caaccttcag	acaggaaatg	240
gaaaagatga	caaagaaaat	taaaaaactg	gaaaaagaaa	caataatttg	gcgtacaaaa	300
tgggaaaaaca	ataataaagc	acttctgcaa	atggctgaag	agaaaaacagt	ccgtgataaa	360
gagtacaagg	cccttcaa	aaaactggaa	cgggttagaga	agctgtgcag	ggctcttcaa	420
acagaaagga	atgagctcaa	tgagaagggt	gaagtcctga	aagagcaggt	atccatcaaa	480
gcggccatca	aagcggcgaa	cagggattta	gcaacacctg	tgatgcaacc	ctgtactgcc	540
ctggattctc	acaaggagct	gaacacttcc	tcgaaaagag	ccctggggagc	gcacctggag	600
gctgagccca	agagtcagag	aagcgtgtgt	caaaagcccc	ccgtccccag	gctttgctcc	660
ggccaatcga	gtcgggtgac	taagatgagg	tgtgatcact	gtattgagag	atatattttg	720
tgtataactt	tctctgttag	tagttaacta	ttgggtttgt	ggtgaaaatt	ttcttacttt	780
ttctaccata	tctgtatttt	cttagaacct	actggactta	tgtggtacag	gaggctgctt	840
agcagttttg	aatagtttaa	tctataaatt	ttcctcagct	gtgttgacaa	tcagcctcgt	900
tctccctcca	ctggaatgca	tgtgttcact	gccttgtcct	ttctctccct	gctccttgca	960
cattatcatc	ctaatgaaaa	tttcaactgac	agggccgacc	attacaaggg	aactttgttc	1020
tgacgatggg	tccttgatgt	gaaaacaata	ttaattttaa	cgtcttagcc	ccccccccca	1080
taatattatt	cagaaaaaca	aaataccaag	gcgattagtt	ttgtctaata	acccatttaa	1140
atgccaaagta	aaaataaaaac	tcttagtggt	gggtcagaag	catatttgat	tgaaattagc	1200
tttttgaaaa	catttatatc	tcgggacaaa	ttgagatggc	cacatgccta	gaatcctaag	1260
tttcggcaga	atatgtatat	aaagatgtca	cttgtggaca	aaatagtaca	tagaggcaaa	1320
tcactagaca	aataagctta	gtgtttacgt	gactggaaca	gtcatcctg		1369

<210> 4524  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (306)...(63)  
 <223> similar to gil872200 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4524  
 gggtttgcctg cgcgcctcga gatgaaattg gcagttgggg ctgattcaca gaaacaccga 60  
 tttgtggctg agcacggtgg ctcacacctg tcatcccgag cctttgggag gctgaggtgg 120  
 acagatcact tgaggctcagg agttcgagac cggcctgacc aacgcagcaa aacccatctc 180  
 tactaaaaat acaaaaatcg gctgggtgtg gtggcacaca cctgtggtcc cagctcctcg 240  
 ggagtctgag gcagaagaat cgcttgaacc caagaggcag aggttgcagt gagccaaggt 300  
 tgcagtgaat caagattgct ccactgcact ccagcctggg caacagagta actctccttc 360  
 tcaaataaat aaataaataa ataagaaaca ctgatgtgtc tgtcaccttc taaagaaatg 420  
 aaatgctagg aagtcctagc cagagtgatc aggcaagaat aagccataaa aggcattcaa 480  
 ataggaaaag aagtcaaact gtctctcttc actgccgata tgattctata cctagaaaac 540  
 cctaaagact ctgccaaaag gtccttgga cccgataaatg acttaagtaa agtttcagga 600  
 tagtaaatcc atgtacaaaa atcagcattt ccaaacacag taacattcaa gctgagcacc 660  
 aaatcaagaa cgcaatccca tttccaatag ccacggaatg aaatacctag gaacacgtat 720  
 aaccaaggag gcaaaggatc tctacaagga gaaccataaa cgagatgctg agtcccagcg 780  
 aggtcggagg tgccactgag ccctcatcgt ggtgccgttc ccgctctggg ttatttatct 840  
 gttgctcatc tcagctgttg ttctacctc aaatttcaag tccctcaaca aatataacag 900  
 aaccatttct agaatgaacc tttggagaag ggaggaagca gtgcattgta taggaattgg 960  
 cattctatag aaaaccacag aaactggaaa taatgaaggg ttgtctcttg gctctaaaat 1020  
 aatgtatata cctaaatcat ccccttatga tactcatcct ctaacagcaa ttgaacttcg 1080  
 atacaatgag tcattact 1098

<210> 4525  
 <211> 1046  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (724)...(170)  
 <223> similar to gi431321 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4525  
 tttttttttt ttcaggcctc caggcgttta ttcagccctc tccctctgcc gccagctgct 60  
 tgagtgaagc cccactcca tgaggagcct tgagaccctc ccagtcctgt gctcagaggc 120  
 tgagtctggg cccccacgc agagctggct gctgctcacg cctggctgcc tttaccact 180

cgccgatgat	ggtggcctcc	agcttccgcg	cctcaaccac	ggaagcagga	tcttctgggt	240
gggaggctct	gaggtcgagg	tgggtgcgctc	ccccctggat	ggtgacggcg	atgactgagg	300
cactcaggtt	cctccgaatc	ccgccccctg	cccaggggtc	caggttcccg	ttggagaaga	360
tgatgttgct	ggcggctcta	agatcacccc	cccagaagct	ggtcagcagc	cagtcggggc	420
ggggccacac	gccccagggtg	tccaggcagt	accgctggcg	gagctcgtca	gtgaagggca	480
ggtcggggaa	catatcggtc	acattgttgc	tggcgaaggt	caggttgatc	tcggtgcagg	540
cctggtagtc	ccaggcccctg	gcgtcggggc	cggtgccgca	gccagtgggg	tcagcacagc	600
tgtggtagag	ccggtagatg	tcgtagcagt	gctcggagcc	cgaggcggtg	tagaccagcc	660
ctggggagga	gaggcgctgg	ggcccaacgg	ccacacacag	acacaccgcg	ggctccggcc	720
accaacctgt	ccccctcggg	aatggtcctg	caggggatct	ggggctctgg	gatctgtagg	780
tccagtgag	gaaggccctc	caggtacct	gcttgagggt	cggcggtgtc	tgtgctgcc	840
gccccgggcc	tgactgttga	gggccccccc	gctctccacg	gggcagggtg	gggctgctg	900
ccctctgttg	ccctccatgc	tggggacccc	aggggcccct	tgggcagcac	ccaccaagct	960
gggcctggct	acagccagtg	ctgagagggg	ccccagggac	ggccccctgcc	tcccaaaagg	1020
gtttctggga	aggtcgtgct	gtccac				1046

<210> 4526

<211> 5202

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5205)...(2901)

<223> similar to gil545807 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4526

atccaagggt	tgtatcgagc	ctataaaagc	acagttttta	gagagattcc	ctttttcttt	60
ggtccagttt	cccttatggg	agtccttaaa	agcccttggg	tcctggaggc	agtatcatgt	120
ggtggattct	tggcagtcag	cagtctgtgc	agcttttgca	ggtggatctg	ccgctgcagt	180
caccacccct	ctagacgtgg	caaagacaag	aattacgctg	gcaaaggctg	tgctccagca	240
actgctgatg	ggaatgtgct	ctctgtcctg	catggggctc	tgccgttcca	aggggctggc	300
agggattatt	gccagtgctc	cttccccctc	gaaatggcca	gcccataaag	tctggggagg	360
tttccatctt	tctggggggc	ttatgacccg	aaacgcacag	cttgctgttg	gaagttggca	420
gaaagagtcc	cttgaagcag	agacaagcct	cacctccact	tctgtcaaga	gaggggcctg	480
cagtgcaaac	cctcttccgc	tgagcagctg	tctgaactat	aggccccagt	gctgaagacc	540
agttgtgcta	agataccggc	atggagattg	tgccatccgt	ggtataggct	ggctggatatg	600
aagtcattgg	cctgtatgcc	agagagctaa	gagaagaaaa	cggggtctgt	ggcggtaactc	660
tgaacaattt	cctcagaacc	tcttaataaa	taagtttggt	aatgctgagg	ccaggcccttt	720
tagagctttc	atttgatctg	tatctgatct	ttcatttccct	gacacctgat	ggtggattca	780
gcagaaggca	agatggttat	aattctaaaa	gaatagcttg	tttgtttggt	tgtttgggga	840
aaaggagact	tggggaagag	ttgtgtatgt	gggtgtttct	ccccctagtt	aattcctggt	900
gtgtaagggt	aggctttggt	gaaaaagaaa	gaaagattga	actacagggtg	catagcaagc	960
actctttctg	ggttaactagg	ctgctgggtt	taattaccct	cagatttcac	ccataaaaaa	1020
gcacaattgt	attattttac	agagatgtgt	ccagcgcctc	ctgtgggtgtg	tgagagaaa	1080
cagctgcaac	tcaagtgcac	aggtggggcc	agctggcttc	gtgcaggagg	gcacgggtggg	1140
tgagccattc	tcgccattct	catgtcagac	tgaaaggagg	gcctggggcca	gctttgaaaa	1200
ggcaggatga	aatggaaaagg	tcaccacact	tagggatttt	agaccttgac	taacaagctc	1260
caggtgtaga	aaaattcaaa	acaaaatgtc	aggaatctag	cagtgttgtc	tgccctggag	1320

caaacaaaca	gtatgtgatt	ttgcttcgcc	tatttttttt	ttcttttttg	ggggaagata	1380
attaaaggca	gaatgactgc	gtttgtaaaa	gaaggaccac	caactatact	gacatttata	1440
aatgaacctt	tattaaagac	acttcaatgc	catttggttag	acacttcaat	attttacatg	1500
gttttcaatg	tacactgtac	caaaatttct	ataaataaat	aactttgtac	ataaaagtaa	1560
tactccctct	ttcacattgc	ctctcagaag	cagcaaattc	acatatatttg	tggaagtaag	1620
attagtcagt	taactgtcaa	gaacaaaatt	ctaaatgtgc	ttaccttttg	aacagtgatg	1680
acacctgaca	gtaattgtta	actattttct	cagtaactcc	cttcagcttt	tggccaaagg	1740
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gatggttagc	taccagtctc	aaaagtgcaa	attataccca	gaacccaggt	caagggtctg	1860
cctttccagt	cccagctcag	tttcatctgt	gcgaaggaa	ggcatggaca	ggcctgctct	1920
gggtccttag	tagaaataag	gtagccctga	aaagtcagaa	cttctctctt	tctgtccccc	1980
aaggccaatg	taatactcat	tatatgtgca	aaacgaaaac	atcagtatag	aaaaatccac	2040
aggtaccaac	ccagcagcc	tttaccttaa	tttaaaagtc	tcaaatagca	atcgaatgat	2100
actgagaagg	ccacatttgc	ttttatcata	aaataagagg	aggaggaaag	gcagtgttta	2160
actgttctga	ccttttgctt	gtgatggatt	aacaaccctc	attctacgcc	ttacagacgg	2220
acagattcta	cgccttacag	acagacagga	cttaaaccta	aaaggaaaag	ccattcactg	2280
caagtgtgga	tggcacttgc	acccctggct	ctacagacag	ggaagcctgt	tgcaggggca	2340
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aaggcaccag	aactatttcc	ccacccctc	caaaattaaa	cagcaacctg	atacgaaaaa	2580
taatattgtc	aaaattgtat	aatttttttc	tgttaaccat	gcactaaaga	ttaaaatagc	2640
ctctgtaaaa	gatataatg	aaatctctga	aaactcttat	gtacaatgat	atcaaatact	2700
tttttttgcc	ttttgtacac	aaatccctc	ttgcgtttac	tgtgcttcag	atccaagtc	2760
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cattggaaac	aagcaagtac	tgggcttcgg	cgcgctctgg	actgcctgaa	gttaatgaag	3060
atgcaggctg	tagctctgtg	gagtcggggt	gatacaacct	tgctaaagtc	caggaagaat	3120
cccccttccc	atctagagat	gccattggct	ttttcttcac	agccgtcagc	attctatcgt	3180
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ttggctgtgc	gctgtctctg	gacacaggct	gggggtggaa	ggcttgtccc	ctggagtaac	3360
agtccacttc	ggtgttgtag	tactgcata	cgaccggcc	accgtgttcc	atcttatgtg	3420
gcccaggtgt	cccttcagct	ttctccatcg	ccttccacgg	cctttttgtga	tacgcagacc	3480
cagcacagag	ccttggctgc	ctgcaggcaa	cgctgtgagt	gtcgggctct	ggaaagtggc	3540
ttgcatctct	tggacacaca	ccattgctct	caatgtgccc	attggcctga	gggccacctt	3600
cggtcctgac	cacgggtttct	tgtcggtcag	aaagggtccc	ctgagaagag	aggtagcttg	3660
gaacatctgg	tggcacgacg	gtttcatctg	tgttgggtgac	actgtactct	tactcttct	3720
tctgtgtctg	gtagatgatg	cacaccaga	ccagtgcagt	caggacgatg	ctgctcacga	3780
cagcaatggt	gaagatgcct	accgtggctc	catcttctct	gcagcctgct	gcgggcagga	3840
cgctcagctg	gctgtgagct	cgctccgtgc	ccagggtggt	ggacatctca	caggtatata	3900
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tgatgaaaaa	cacgtcgtca	tccggcatga	catgcatgcg	tcgctcacgg	gcagcgggga	4260
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atggcaacac	attcacgggtg	agcctggcct	tatgtgaata	ggtggagcca	aagtgggtgg	4440
tgatgacaca	ttggtagcgg	ccctcgtgcc	cgaagtgcac	ctgacggagg	tgcaggatgg	4500
tggtgtactc	catcacttcc	cgcctctgcg	cgtggacgtg	gacaaagttc	tccatgtctg	4560
cattgggtcag	gacttcattg	tctttcttcc	aggcaaagg	catgggggag	ctgctgctgc	4620
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gggtgatgat	ctgtggcttc	aggaagtcac	cgcacacgaa	actctctggt	ggcacagaga	4740

aaatgctctg	acccttcagt	gattctgggt	gggcacaggt	ggctgtcaca	aaggcctgca	4800
gcacccctgcc	aattagccac	gggggcagcc	acttcagctg	gcagtcacac	aggaagctgt	4860
cgctgctgat	atggagctct	ttaagattct	tcatcttcac	aaaggcatca	aactggacag	4920
atctgatcgc	attccctcca	aggttcaggt	gctccaggcc	ttccagcccc	gagaatgctc	4980
tcttagccac	agacttgatc	ttgtttccaa	acagagtcag	cttgctgagg	ctgtcgagcc	5040
ctgagaaggc	gccgctcgtg	tcctctattg	tgccccgaaat	ctcgttatgg	tccagatcca	5100
agactcgacg	gctcctgagt	cccttgaagg	caccctccgc	aatgtggctg	atggaattgt	5160
ggctgagacg	caggacactc	aggctgctca	gctcggccag	gc		5202

<210> 4527

<211> 1214

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (49)...(891)

<223> similar to gi4263748 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4527						
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cctcatgcac	ttgtcataaa	gacattgcct	acaaaactga	gggatgctct	gtttactgtg	120
gtgagggtaa	taaatttcat	caaagggaga	gctccaaatc	atcgcttatt	tcaggctttc	180
tttgaagaaa	ttggcataga	atatagtgtc	ctccttttcc	atactgaaat	gaggtggctt	240
tcccgaaggcc	aaatacttac	tcacattttt	gaaatgtatg	aagaaataaa	tcagtttctt	300
caccacaaga	gcagtaattt	agttgatggc	tttgaaaata	aagagtttaa	aattcaccta	360
gcataccttg	cagattttatt	caaacactta	aatgaaactca	gtgcatctat	gcagaggact	420
gggatgaaca	cagtatcagc	tagagagaag	ttatctgctt	ttgttaggaa	gtttccattt	480
tggcaaaaac	gaattgagaa	aagaaatttt	accaattttc	cttttcttga	agaaataatt	540
gtttcagata	atgaaggcat	attcattgca	gctgaaataa	cactgcatct	gcaacaattg	600
agcaacttct	tccatggata	tttttccatt	ggagatctta	atgaggcaag	taaatggata	660
ttggatccat	ttctttttta	tatcgatttt	gttgatgata	gttatttaat	gaaaaatgat	720
cttgctgaat	tacgagctag	tggccaaatc	ctaagtgaat	ttgagacaat	gaagcttgag	780
gatttctggg	gtgccaatt	cacagcattt	ccaaacctgg	caaagacagc	tctagaaatc	840
cttatgccat	ttgcaactac	atacctttgt	gagttgggat	tttccatcac	ttttacattt	900
caaaaacaaag	tcccagaagc	tgctttaatc	ctgagtgatg	atatccgtgt	ggctattttca	960
aaaaaagttc	cctcgtttct	cggacatcat	tgaacaaaag	ctacagctac	agcagaagtc	1020
actgtaagct	gatatacttt	tttaatgaat	aatttcaatc	ttaatatcat	tgtaaaatta	1080
agctgtaatt	ctgtctcttt	catattttatg	atatactgaa	ttctatgtct	aaaaaactta	1140
agaactttta	ttttgaatga	ggcatgtgaa	aatatgtttt	gagaataaaa	acacagcaga	1200
aaagaaaaaa	aaaa					1214

<210> 4528

<211> 2359

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (73)...(1517)

<223> similar to gi5689501 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4528

cttaccttag	aaaaccaa	taaagaaga	agagaaca	acaactctga	atctccaa	60
ggcagaacat	cacctctt	gtcccaga	aatgaaca	gctcaacctt	acgggattt	120
ctgactacaa	cagctggaaa	gctacgtgtg	gggtctacag	atgctggcat	tgcctttgcc	180
ccagtatatt	caatgggagc	cccaagtagc	aaaagtggac	ggactatgcc	taacattctt	240
gatgacataa	ttgcttcagt	tgttgaaaac	aaaattccac	caagtaaaac	ctccaagata	300
aatgtaaaac	cagagcttaa	agaagagcct	gaagaaagca	taatattctgc	agtggatgaa	360
aataataaat	tatacagtga	tataccacat	tcttggtatct	gtgagaagca	tattttatgg	420
cttaaggatt	ataagaatag	cagtaattgg	aagcttttca	aagaatgttg	gaaacaagga	480
cagcctgcag	tggtttctgg	tgtgcataag	aaaatgaaca	ttagcctatg	gaaggcggaa	540
tcaattagtc	ttgatttttg	agaccaccaa	gctgatctcc	tgaactgcaa	agatagcatc	600
atttcaaattg	ccaatgttaa	ggaattctgg	gatgggtttg	aagaagtttc	aaaacggcag	660
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ttcaagacta	tgatgccagc	aagatacgaa	gatcttttaa	aaagtctgcc	attgccagaa	780
tattgtaatc	cagaaggaaa	attcaatttg	gcctctcatt	tgccaggatt	ttttgtacgt	840
cctgatctag	gacccagggt	gtgcagtgcc	tatgggtgtag	ttgctgctaa	agatcatgat	900
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ggcatagcaa	aaggaaatgg	cattctctca	aaagcaggaa	ttctcaagaa	atttgaggaa	1020
gaagatttgg	atgacatttt	aaggaaaaga	ttgaaggact	caagtgaat	acctgggtgt	1080
ctgtggcata	tttatgctgg	gaaagatgtt	gacaagataa	gggaatttct	tcaaaagatt	1140
tcaaaagaac	aaggccttga	agttctacca	gaacatgatc	caatacgtga	ccaagtttgg	1200
tatgtgaaca	aaaagctccg	tcaaaggctg	cttgaagaat	atggagtcag	aacctgtact	1260
cttattcagt	tcttgggtga	tgctattggt	tggccagcgg	gagcacttca	tcaggttcag	1320
aattttcaca	gctgtattca	ggtaactgaa	gattttgtgt	ctccagaaca	tcttgtagag	1380
tcatttcatt	taacacagga	actgagactt	ttgaagggaag	aaatcaatta	tgatgataaa	1440
ctacaggtta	aaaatatattt	gtatcatgca	gtcaaagaaa	tgggtgagagc	cttgaagata	1500
cacgaggatg	aagtagacga	tatggaagaa	aattaagtgt	gatccagttt	gatattttta	1560
ggttgttgaa	ctgggattac	ttaaccttga	atgatgatat	gtatgcacac	tgactttaag	1620
cttcataaaa	ccatcagtgc	caagaaattc	tctttgtagt	aattacttgt	tactgacacc	1680
acagcagtat	agcatatgtc	acagctcctg	tgattcaatg	ttataaaaaca	agcagaattt	1740
taaaagcagc	actatatagc	tgttttgtat	tatagtgtat	atgatgtttg	tgaaaatgcc	1800
agatttaaaa	tgatgtattt	atttttggta	aaaaataaaa	aattctatgc	tatattgttg	1860
atcaagtgtg	aatgtgacct	tgtacagttt	actaaaatta	ctgatatttt	tcactacatt	1920
gagacagtta	ctgtgagaat	aggacacaaa	ctccagctat	tgccctgcac	tgggaaattg	1980
ctgaatcgca	cagcagtcac	gtcataatca	gaaaattact	gccaaataat	tgtaaaattt	2040
gtaaagtata	aagtatataa	agtagatact	aaatacagac	acttcaatat	tttgttgaag	2100
ctattgactg	tacaattaaa	catttttcaa	aggtgtaatt	tattttaa	tgtctcattt	2160
tggtaaaatt	tatgtgaact	tttaaagcta	aatattaaac	ttaatatgct	atgtaaatat	2220
atacatatat	acattttaatg	atgtattttt	ttaaaacatt	ggcttgcttt	tgttaaagtg	2280
caagtgttac	atatggcttt	gtacattaaa	gttgaaaggg	gttttacatt	ttccattaaa	2340
aggactttat	caaaaattg					2359

<210> 4529  
 <211> 1727  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1728)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (21)...(653)  
 <223> similar to gi3874846 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4529

cgacccacgc	gtgcggcatg	tggatcccgc	tctacctgca	ccgcgccctt	gttgtgcata	60
agacagcaga	gacgtgcaac	agcccgccct	gtggggccaa	ggacagcctc	atctttgggg	120
ccatcacctg	ctttacggga	tttctgggcg	tggacacggg	ggcaggagcc	acgcgctggt	180
gccgcctgaa	gacccagcgg	gccgaccac	tgggtgtgtg	cgtgggcatg	ctgggctctg	240
ccatcttcat	ctgcctgac	ttcgtggctg	ccaagagcag	catcgtagga	gcctatatct	300
gtatcttcgt	cggggagacg	ctgctgtttt	ctaactgggc	catcactgca	gacatcctca	360
tgtacgtggg	catccccacg	cggcgcgcca	ctgcctgggc	cttgacagagc	ttcacctccc	420
acctgctggg	ggacgcgggg	agccctacc	tcattggctt	tatctcagac	ctgatccgcc	480
agagcactaa	ggactccccg	ctctgggagt	tcctgagcct	gggctacgcg	ctcatgctct	540
gccctttcgt	cgtggctcctg	ggcggcatgt	tcttctctgc	cactgcgctc	ttcttcgtca	600
gcgaccgcgc	cagggctgaa	cagcaggtga	accagctggc	gatgccgccc	gcactctgtga	660
aagtctgagg	tgggtgccatt	gggacaatga	agaaccacaa	ctcccacett	cgttctggga	720
ggtgtcctac	agcgtccggg	accggctggg	ctgccccaaa	gctttctgtg	tgatccacgg	780
ctaggcaccc	accctctctg	gccaggcct	gctgagtggc	cctggcatca	agaggaggct	840
gtgtcctcag	ttaccctgga	aggatgtgtg	tgttgagacc	acacggttgg	acaggttccc	900
agccctaggg	ttgggcccga	gggcccctgg	ggccaaggaa	gaagacagcc	ccaagtgggt	960
gtccggggag	agcctggcct	gccaccagct	tatgtgatct	tgggcaagtc	cctgccctcc	1020
ctggaacgaa	gggcccaggg	gctggacttt	cccacacaac	ttgctgggca	aagcacgac	1080
tgcagctttg	aagactcaac	agaccctgga	ccatacggag	agcaggtggc	ccaggcctca	1140
gggcggcagt	cccggctttg	aggctcacgc	gagggcctgg	tatgcaggga	ccactgctca	1200
gctgggcctc	ggaccttggg	gatattggac	gcaacctggc	aaatgaagct	gggcgcccac	1260
gtctctgggt	actccctgga	ggacactgtc	tcactgtctc	gggttggctc	ccagcctgga	1320
ggtcccagat	ggggactgtt	ctgacaagct	ggcatcacca	gggtgaagg	ccctggctgc	1380
agctgtacac	cacctgtgcc	cccaggctca	aggtctctgg	caggtgcaca	ccagcccaac	1440
tctgcagggc	ttctctccct	gccaccaccc	cccaagccag	gaccccactc	cttccccgag	1500
gctgagctga	gccttttcca	ggggcagggc	ccaggagacc	attcccagaa	tccatggggc	1560
agtagccagg	gctccggctg	ctggaggaag	cagctatcca	caaagcttcc	tgccccagag	1620
ctgaggctga	ggccccggga	gaggcggtcc	ctacccaaac	actggctgct	ggcattccac	1680
caagtgaccc	cagnggccag	gccttcgac	acccacctcc	catccag		1727

<210> 4530  
 <211> 865  
 <212> DNA



<213> Homo sapiens

<220>

<221> misc\_feature

<222> (856)...(156)

<223> similar to gi3171934 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4530

tttttttttt	ttgagccaga	gggaccattt	ttattagatt	ccagcaagac	tactgtacat	60
gtttcatgca	gattaaatat	gtgtcttcac	tgcccctggg	aggggagcac	tctcactgtc	120
agctccttca	ttggtgtgtc	aaggggtgag	tgtcaagggg	agctctcaat	gtattccgta	180
tggggggcag	ttgggatcat	gactcggggg	agaggtgaga	cagtaggtag	ctgaggggtcc	240
ctgggacctt	gagtcttcag	aggttcaggg	actgcaggac	cttggtcctt	tgctggtact	300
ggcaccagag	gatcttgatc	cttcagaggc	actgggacta	taggaacttg	attcttcaga	360
ggttcagggg	ctatacgacc	ttgattcttt	ggaggctgta	ggactgtggg	gccttgatcc	420
ttactagta	ctgggagaat	ggggtcttga	ttcttcacgg	actcggggac	cacaggacct	480
tgattcttta	caggtgccac	aactgcagaa	tcgtgaacct	ttgcatgctc	tgggactaca	540
acatcttgat	ccttgactgg	cctgagacc	actaaacctt	gattctttac	aggctcagag	600
accatggaac	cttgattctt	tatgggtgct	gtggccatgg	cactttcatc	cttcggatgc	660
tctgggacca	tgggatcttg	atccttgata	ggtgctgaga	ccatgggacc	ttcatccttg	720
acaggtgctg	ggactatggg	accttcaccc	ttgacaggtg	ctgggactat	gggaccttga	780
tccttgacag	gtgctgagac	catgggacct	tgatccttga	cagatgctga	gaccatggga	840
ccttcgtcct	tgacaggtgc	tggga				865

<210> 4531

<211> 1534

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1535)...(643)

<223> similar to gil707274 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4531

tttttttttt	ttgtttacat	catattttat	tttattacag	tcaataaata	tactttttata	60
tatgaaatca	ttatagaata	catattttta	ggcactaagt	ctcaaaagtg	aaggcacctg	120
ttatactttg	ctctctaatt	tgacacatta	aaacatgaga	ggtaaatctg	ccaattttat	180
ttgagtttgc	aagcttacaa	tttaatagga	ataaatcagg	tagcttcaga	aatcaactaa	240
gaaaattaac	aggctagagt	ctgaactaat	aatcttggac	atgggtttga	ttatcacttg	300
gtttattctg	attactcatt	taccttttca	tttatgaatc	taaactgaca	attccacctt	360
tagaggtata	atagagctat	taaccgatga	gacacatcta	ctcattctct	gtaactctgg	420
acatcgcata	ttgcttttaa	atgcaaatca	gtcatgtctt	gagcctctta	ctgagcagtg	480
aatgtgtatc	cgtgcacatt	ccatttctct	ttctgctggg	attttctttg	gagtcagtg	540
tgctgtccct	aagcagttct	atgtgggctt	ctttcagcat	ctttgttttg	catggagtat	600

tctcagaggt	cacacttttcg	gttttggttc	ccatagcttc	ttctaaaact	gttagaatcc	660
tatcaagttg	gtccaccatg	aactttgcat	cttcttcagt	gaagcacata	ggtaggtttta	720
ttttaagtac	atcttctatga	ggtccatcgg	cactgagaag	cactcgtttt	tctttcatct	780
tgtagatgat	gtgctgagct	tcagctgtgg	caggggtcct	tttcagatgg	tccttcacta	840
aatcaattcc	aataaaaaagg	ccaatgcccc	taatatctcc	tatcaaagtg	tgtttagcct	900
tctgtttttt	cagtaactca	gtgagataat	tccctactct	cttggcattt	ccttgaagg	960
cttcattttc	aattatatcc	aggacagcca	aaccaacagc	acaagatact	ggatttcctc	1020
catacgtatt	aaaatattcc	atcccagagc	tgctgaaggc	ttctgcaatt	tctttgggtg	1080
ttaccacaca	tgccaccggg	tggccgttgc	ccatcggttt	tcccattgtg	acgatgtctg	1140
gaacaaagtc	ttcaccatac	atctggaagc	tccagaaatg	tttcccaact	ctgccaaagc	1200
ccacttgaac	ttcatcagct	ataaacacac	ccctgcacc	gtgtacatat	tctgccactt	1260
tctggaagta	gcctgtctgga	ggaattattt	gtccgccaca	actctgcatg	gattcagcaa	1320
taaaggcagc	aactttcctt	ccactgttat	gagcatcttc	aatgattttc	ttcacttcat	1380
ctgcataaagc	actggctgag	tctgcatggg	cttctctata	ttttcctctg	taagtatctg	1440
gagttggtgc	cacatgtaca	aattcttttt	tgacatcttt	tcctttctga	aacttatatg	1500
ggctaattctc	aattaaggat	gatagggtgac	catg			1534

<210> 4532

<211> 1979

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1825)...(1262)

<223> similar to gi3064245 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4532

tttttttttt	ttaacagcta	caattttattg	agcacttact	aggtctttaa	tatttgctaa	60
atacatcac	agtactcaca	atagccccag	gaaattatag	atgtatttaa	gttttggtac	120
aatgagtaat	cgtagctga	gtagaaagct	cttttctacc	ctacaataag	ctcgacatta	180
aagactgaca	ttccaattaa	tataattaa	cctggactta	tagaactgtt	ttctcataat	240
aatgcacatc	tactgctaaa	tgactactct	caaagttgtt	ttctttttca	tgttcaaaga	300
aaattacatt	tctttccttt	cacttttcca	atagaatact	cttcagttct	actctagaat	360
ctcttaggaa	attatttgaa	atagaaatca	atttaagccc	tataactaga	gctttttctc	420
ttgttgagct	gctttgcagg	gagaaaatgg	catacatata	caaaaataata	ctctgctgaa	480
acacataaca	ctgactccca	agaatactgc	ttacttactc	tttgtcaaac	actgttacat	540
gctaccaata	ttagatgtat	caggactecc	ttttcagtaa	ctatggttct	tgtagtctctg	600
gataacttaa	aaaaatagag	acctgtctgg	ctaaagaaat	ttaaaagttc	tctaactctc	660
aaccagacac	cttggaact	acaatatgga	tatgtcctac	ccagttccca	ggagtacatt	720
atgaagaagt	tcatatacat	cccacatcca	ctgcagtatc	tcaaaactct	cctagtaaca	780
gcacctccc	atcaccacaa	ataccaagag	tattaattaa	agagggacaa	gcctgccact	840
atatccttca	ctcacaaattc	caaagatgtt	tgtcctggaa	attctatctt	atttttgtga	900
gctcttagca	tattgtgata	gcattgacatc	ttcacatcaa	gtatactgct	tggttagcat	960
caataatagt	tcaaaacaaat	agcaacaatt	tatatacttt	acatcaacta	ggggaaagg	1020
gacaaacatt	gtttaagaca	gtttgaagca	caggttatca	ccaaggtctg	tgtttggaag	1080
ataaaaacatg	cgagataaac	agaggactaa	cactgattaa	ttctggagaa	acatggagaa	1140
gaactataaaa	ctgcttagca	gggagaaaac	agttctctga	tttataataa	aatctattca	1200
caacacttat	ttgtagttac	ttttataata	gataaatattc	aagttatatt	aaagtgtctc	1260

aagcaaaatt	tagcaactcc	tgtaaggctt	cctgctgttc	atcatcaagt	tgtgatacac	1320
attccaacca	taaatcttca	gaagtctgta	cctgacgcac	gacattagct	aggcgtttgg	1380
cacaaggatc	ctcatagtta	atagtctcat	taatttttcc	ttctgcaatt	atactgatta	1440
ttttgggaag	attggaatta	tttgaccac	ttacaactgg	gtgggttactt	tcaattaggt	1500
cacagagaaa	actcaaagtc	tgaatagctt	cctctttatc	ttcatgcagt	ggaagccatg	1560
ataaccagtg	tggaagaact	tcatctacat	ttacacagtt	aggcttaaac	ttcaaaatct	1620
tccttattgc	tgagatacag	ttctctgtag	caatgacatt	ttttttgggt	ttggaatgtg	1680
cacgcttaat	aacttttacc	agaagtggaa	cagcttctga	acataaagaa	cgataatcat	1740
ctccaccaa	ctgtgccatg	acaccaggc	cataagcagc	agcttgccctg	acttcagggg	1800
tggtattctt	catattatat	aagtgtgatt	gtgtcttcaa	caacagctgc	atcacatttg	1860
atgcatcctg	cataaattgt	tccttcccag	cagcaagacc	aatatgaata	atgctctcga	1920
tagttattcc	tctcagaagc	ttgagttcct	ttgacagcag	ctcctggtga	atacgaagc	1979

<210> 4533

<211> 1205

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(498)

<223> similar to gi2970646 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4533

acaaggaagc	ctctagagac	tcccagcttt	aagggcaacc	ctgatgtctc	agtgagaagc	60
acacaactgg	ctcaggacat	aggccaggcc	ctgctccacc	agaaagggtg	ccaagacaaa	120
actgggaaga	aggacatcac	ccagtgtctc	gtgcaacctg	aacctgcccc	tcctcagcc	180
agtccccctg	ccagaggggtg	gcaaaagagt	gttctggagc	tacagacggg	gccagggagc	240
tcacaacact	atggagccat	gagaaccgtg	actgaacagt	atgaggaggt	ggaccagttt	300
gggaacacag	tcctcatgtc	ttccaccaca	gtcaccgagc	aggcagagcc	acccaggaac	360
ccaggctccc	acctcgggct	ccacgcctcc	cccttgctga	ggcagttcct	gcacagccca	420
gctgggttca	gcagtgcct	gacagaagct	gagacggtgc	aggtgtcctg	cagctactcc	480
cagccagctg	cccagtgagg	cccaccgcct	cccaccacac	ctgccacctg	ttcctggcct	540
ccactgcccc	aggactgaag	tgggtacctg	cctcctgtac	actggagcaa	ggaccaagag	600
gaaatggcat	cttcagagga	ttactgtggg	ccatttcctt	ttcgagttc	tttcaatagg	660
cccagttcct	ccaaatggaa	aaagaaaggt	ctggaagagg	cccacagagt	tgacagggcg	720
tgggggtagg	atgggggctc	ccagctgctt	gtggaggatg	taatataac	agacacacac	780
atgtttttca	cacaggcctg	gcccacgcat	cgacatgtgt	gaatttgcac	accactgcct	840
gaattggagc	ccccagaggt	gtccctctac	ccagagtttt	tatttcttta	attagtctga	900
gtgttcccag	ccatctgtc	cttaatccct	ggagaggaac	agagccaact	ggacacagcg	960
ttggtctctg	tttggaatca	ctgtgaggtc	tccagaagga	cctggccgcc	agccccctca	1020
tcaccatctc	catcattcag	ctggtcatct	ggtggcccaa	aggtcaccca	aagagtcagc	1080
aatcagcatg	tccttagaag	ccaaatgcac	tgcctttctc	tgtcccatg	actgtcccc	1140
actctgcacc	ccaaatggga	agcatacgtt	ctgaataaat	ccaagtttta	ttctctaaaa	1200
aaaaa						1205

<210> 4534  
 <211> 1534  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (22)...(737)  
 <223> similar to gi2459910 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4534

cggaacgcgtg	ggctccaggc	caaccctttc	tacgaccgct	accgcgacaa	gatccagctg	60
ctgcgcaggt	cagacccagc	tgcttttgag	tcccgccctg	agaaacgcag	tgaatttcgg	120
aagcagccag	tggggcattc	caggcaaggt	gattttatca	aatgtgtgga	acagaagaca	180
gatgccttgg	ggaaacagtc	tgtgaacaga	ggattcacta	aggacaagac	tctcagttca	240
atctttaaca	ttgagatggt	aaaagaaaaa	actgcagaag	aaataaaaca	gatttggcag	300
caatatatttg	cagcaaaaaga	tacagtctac	gcagttattc	ctgcagaaaa	gtttgatttg	360
atctggaacc	gggctcagtc	ctgtccaaca	tttctatgtg	ctctgccaaag	aagggaaggt	420
tatgagtttt	ttgtaggaca	atggacaggt	actgaactcc	acttcactgc	acttataaat	480
attcagaccc	gagggggaagc	tgcagccagc	cagctgattt	tatatcacta	tcctgaactt	540
aaggaagaaa	agggcatagt	gctgatgact	gcagaaatgg	attccacatt	tctgaatgtt	600
gctgaggcac	agtgcacgc	caaccaagtt	cagctcttct	acgctactga	tcggaaagag	660
acctacgggt	tagtggagac	ctttaacctc	agaccaaagt	agttcaaata	tatgtctgtc	720
atcgtgaat	tggagcaaag	cggacttgga	gcagaaactga	aatgtgccca	gaaccaaagt	780
aagacttaga	actgtacagg	ttggcccttc	acctagttga	ctcagccctc	gatagtctag	840
agcccccccc	ctcctcagga	actcaagagc	tcagcattta	taatgagcag	ttggtaatga	900
gttgccctat	gtgcttgtcg	caagcagtc	catagatgag	ccctattact	tgatattcag	960
gaacaaaggt	acctgaacat	tctgataatt	atctcagcat	acttgagggt	tcctttttta	1020
agtgttcgag	gttataacaa	gagacagcca	aggacctaca	agacagttga	cttgattttg	1080
cacagtgtaa	cagcgcagtt	gcatttctggc	cacttttgacc	ttatagctcc	caaagtatga	1140
gtttgtcatc	tttatgaact	catgacagga	taataagctt	gaagacctgc	tgtagttaga	1200
tatgggcttt	aatccttccc	atgcaccagt	cagctgaaca	aaagcataag	ccaaacatcc	1260
tgtttaaaact	gtagaataac	cagatatctc	catcagggtta	aagacttcat	ctagatgatg	1320
ccccccagag	atgccttttag	tgtaaagtagc	tggcttgggg	tatcagcaaa	tttcagggtat	1380
agttagataa	acaggtacag	ggcctgcata	ctattaaacc	atagtttgtg	gcacccgctt	1440
ttctaactcc	acctgttaga	agctatgtgt	ttgaaggaat	gaatcagtcg	agtataaata	1500
aaattctttt	gtaaggagaa	gattaaaaaa	aaaa			1534

<210> 4535  
 <211> 1900  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1103)  
 <223> similar to gi4835719 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4535

```
atggcctata gggctcctggg ccgcgcgggg ccacctcagc cgcggagggc gcgcaggctg      60
ctcttcgcct tcacgctctc gctctcctgc acttacctgt gttacagctt cctgtgctgc      120
tgcgacgacc tgggtcggag ccgcctcctc ggcgcgctc gctgcctccg cggccccagc      180
gcgggcggcc agaaacttct ccagaagtcc cgccccctgt atccctccgg gccgacgccc      240
agcgagccca gcgctcccag cgcgcccgcc gccgcgctgc cgcgccctcg cctctccggt      300
tccaaccact ccggctcacc caagctgggt accaagcggg tgccccaagc cctcattgtg      360
ggcgtgaaga agggggggcac ccgggcccgt ctggagttaa tccgagtaca cccggacgtg      420
ggggccttgg gcacggaacc ccacttcttt gacaggaact acggccgcgg gctggattgg      480
tacaggagcc taataccca gaccctcgat agccagatca cgctggagaa gacgcccagc      540
tactttgtca ctcaagaggc tcctcgacgc atcttcaaca tgtcccgaga caccaagctg      600
atcgtgggtg tgcggaaccc tgtgaccgt gccatctctg attacacgca gacactctcc      660
aagaagcccc acatcccagc ctttgagggc ctctccttec gcaaccgcac cctgggcctg      720
gtggacgtgt catggaacgc catccgcac ggcatgtacg tgctgcacct ggagagctgg      780
ctgcagtact tcccgttagc tcagattcac ttctgcagt gcgagcgact catcactgac      840
ccggccggcg agatggggcg agtccaggac ttctgggca ttaagagatt catcacggac      900
aagcacttct atttcaacaa gaccaaagga ttcccttgct tgaaaaaac agaatcgagc      960
ctcctgcctc gatgcttggg caaatcaaaa gggagaactc atgtacagat tgatcctgaa     1020
gtgatagacc agctccgaga attttataga ccgtataata tcaaatttta tgaaaccgtt     1080
gggcaggact tcaggtggga ataagcccac gaaaggaaag ggctctcaag ggctcttctg     1140
ctcatctctt ccgcgagatt tgctcccaga ccctttgatc tccctccaac aaaccctggc     1200
tccagcccc tttcccaact tgagttgcat catcttgaa ccaggaagcc cagctaaagc     1260
caagagacca gagagtccct gccactagtt ttcacagtc tgttcaagca aagttgatct     1320
gctcctggca cgtccagtaa attccagaat cattctcct tctgcccata aagggccttg     1380
gagaattgct ttaagaagag tgaatgttcc aatgatgata gatattataa gcgatgatgg     1440
ttctgttgct atgaacacag cagtcggtcc ctgtcattgt ccaaccagg aatggccctt     1500
gttaaattcc caatggcatg taaccttccc ctctgagctt catttcctc aaagatgctc     1560
tgggtggtgg gatgggagac catcctcagc cctcctcaga ccttatcaat tcattgagag     1620
attgcaaagc tgaaagcacc tccggccact ccctgggaga cagacccttt ggtgatgaaa     1680
taaaccagtg acttccagag cctatggtct caactgtgct tgaaaaacac tgtctctgaa     1740
aacaactttg tgattctccc tgctccctgt ggacaaaagc acataattct gctgttacgg     1800
gtactttgct catacgagct ttcattgttca gcatgcaatg gaatcatgct tgtccatgtg     1860
aaataaatat ggctctctcg tgtccttaaa aaaaaaaaaa     1900
```

<210> 4536

<211> 1170

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(728)

<223> similar to gi2984587 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4536

cactcccttc	tcaggccccc	ccactttctca	agctgacttg	gattatgtgg	tcctcaaat	60
ctaccgacac	atgcaggagg	agttccgggg	ccggttagag	aggaccaa	ctcagggtec	120
cctgactgtg	gctgcttacc	agttggggag	tgtctactca	gctgctatgg	tcacagccct	180
caccctgttg	gccttccccc	ttctgctgtt	gcatgcggag	cgcatcagcc	ttgtgttcc	240
gcttctgttt	ctgcagagct	tccttctcct	acatctgctt	gctgctggga	tacccgtcac	300
cacccctgg	ccttttactg	tgccatggca	ggcagtctcg	gcttggggccc	tcattggccac	360
acagaccttc	tactccacag	gccaccagcc	tgtctttcca	gccatccatt	ggcatgcagc	420
cttcgtggga	ttcccagagg	gtcatggctc	ctgtacttgg	ctgcctgctt	tgctagtggg	480
agccaacacc	tttgccctccc	acctcctctt	tgcatgaggt	tgcccaactgc	tcctgctctg	540
gcctttcctg	tgtgagagtc	aagggctgcg	gaagagacag	cagcccccag	ggaatgaagc	600
tgatgccaga	gtcagaccg	aggaggaaga	ggagccactg	atggagatgc	ggctccggga	660
tgcgcctcag	cacttctatg	cagcactgct	gcagctgggc	ctcaagtacc	tcctttatcct	720
tggatattcag	gtgggtgtag	gagagagatc	agggagttag	tggtttttct	ctgtgtgtgc	780
atcactttct	ttcagacctt	caaaaccgtg	ggagagagcc	ttgactgagt	ttcacataag	840
tgaagtgggt	gccaagccc	agtggcctca	aatggcagtt	ctgagacttg	aacctgggtc	900
tccttaatcc	tagtcctgga	tcatttcccc	tctacaacct	agatctggac	cccgtagtt	960
gcatttgagg	attactctat	cagtggacag	actggaaaaa	ctgaggtgat	atccaggatt	1020
ttcttcccaa	actgtggtca	tggatcctct	tcctttcctc	cagaggcaga	tgtggcactg	1080
atatcttct	ccatcctggg	ggcacagcct	gagtggtagc	attgcagatg	gatactgact	1140
tgcccaagtc	acatagttag	tcagtgcctg				1170

<210> 4537

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (132)...(877)

<223> similar to gi3873753 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4537

ggcggagcgt	ggctgcggcc	agcggaccgg	gcgcctgggg	cactgaccac	tactgcctgg	60
agctgctgcg	gaaacgggat	tatgaagggt	atztatgctc	cctgctgctc	cctgcagaat	120
cccgaagctc	tgtttttgca	ctgagggcct	ttaatgtgga	actggctcag	gttaaagact	180
cagtctctga	gaaaacaatt	ggactgatgc	gaatgcagtt	ttggaaaaaa	actgtggaag	240
atatatactg	tgacaatcca	ccacatcagc	ctgtggccat	tgaactatgg	aaggctgtta	300
aaagacataa	tctgactaaa	agatggctta	tgaaaatcgt	cgatgaaaga	gaaaaaaatc	360
tggatgacaa	agcatatcgt	aatatcaagg	aactggaaaa	ttatgctgaa	aacacacaga	420
gctctcttct	ttacttaaca	ctagaaatat	tgggtataaa	ggatcttcat	gcagatcatg	480
ctgcaagtca	tattggaaaa	gcacaaggca	ttgtcacttg	cttgagagca	acaccatata	540
atgggagcag	aagaaagggt	ttccttcccc	tggatatttg	tatgctgcat	ggtgtttcac	600
aagaggactt	tctacggagg	aaccaagata	aaaatgtgag	agatgtaata	tatgacattg	660
ccagtcaagc	acacttgcac	ctaaagcatg	ctaggtcctt	tcacaaaact	gttccctgtga	720
aagcatttcc	tgcttttctt	cagacgggtt	ctctagagga	ctttctaaag	aaaattcagc	780
gagtggattt	tgatatattc	cacccatctt	tacagcagaa	gaatacatta	cttccattat	840
atgtgtatat	tcagtcatgg	agaaaaacat	attaaaaata	tttcatggca	ctgatgttaa	900
ttctagtcta	ttagtt					916

<210> 4538  
 <211> 842  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(363)  
 <223> similar to gil56308 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4538

gatggagaga	ggaaaagtat	gagcgttgag	aggacattca	gtgagataaa	taaagcggaa	60
gagcaataca	gcctatgtca	agaactttgc	agtgagcttg	ctcaggatct	acagaaagaa	120
agacttaagg	gtagaactgt	taccattaag	ttgaagaatg	tgaattttga	agtaaaaaact	180
cgtgcatcta	cagtttcatc	tggtgtttct	actgcagaag	aaatatttgc	cattgctaag	240
gaattgctaa	aaacagaaat	tgatgctgat	tttccacatc	ccttgagatt	aaggcttatg	300
ggtgttcgga	tatctagttt	tcccaatgaa	gaggacagga	aacaccaaca	aaggagcatt	360
attggctttt	tacaggctgg	aaaccaagcc	ctgtcagcca	ctgagtgtac	attagagaaa	420
actgacaaaag	ataagtttgt	aaaacctcta	gaaatgtctc	ataagaagag	tttctttgat	480
aaaaaacgat	cagaaaggaa	atggagtcac	caagatacat	ttaaatgtga	agccgtgaat	540
aaacaaagtt	tccagacatc	acaaccattc	caagttttaa	agaagaagat	gaatgagaat	600
ttggaaatat	cagagaattc	agatgactgt	cagatactta	cctgtcctgt	ttgctttagg	660
gctcaagggt	gcatcagtct	ggaagccttg	aataaacatg	tagatgaatg	tcttgatgga	720
ccttcaatca	gtgaaaactt	taaaatgttc	tcgtgttcac	atgtttctgc	taccaaagtt	780
aacaagaaaag	aaaatgttcc	tgcttcttca	ctttgtgaga	agcaagatta	tgaagcccat	840
cc						842

<210> 4539  
 <211> 1742  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1401)  
 <223> similar to gi3881842 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4539

gctcgaaaga	gcattccaga	cacatatgca	gagcacctca	ttgctggcgg	actcatgacg	60
caggaggagg	tgtctgaaat	aaaatcctcc	tactatgccca	agttgaatga	tcacttaaata	120
aacatggccc	actacaggcc	ccctgccctg	aacctgcagg	cccactggca	gggcctggct	180

cagccagaag	cgcaaatac	cacctggagt	acaggtgtgc	ccctcgacct	cctgcggttt	240
gttggcatga	agtctgtaga	ggtgccaaaga	gagctgcaga	tgcacagtca	cctgctgaag	300
acacatgttc	agtccagaat	ggagaagatg	atggacggaa	tcaagctaga	ctgggccacc	360
gcggaagctc	ttgccttggg	ttctttactt	gctcaagggt	ttaatgttcg	tctaagtggc	420
caagatgttg	gtcgtggaac	tttcagtcag	aggcatgcaa	tgggtggttg	ccaggagacg	480
gatgacacct	acatccccct	gaaccatatg	gacccaaatc	agaaggggtt	tctagaggtc	540
agcaacagcc	ccctgtcaga	agaggccgtc	ctgggattcg	aatatgggat	gagcattgag	600
agcccaaagt	tactgcccc	gtgggaggca	cagtttggcg	atttcttcaa	tgggtgccag	660
atcatctttg	acacattcat	ctctggagga	gaggccaagt	ggctcctaca	aagcggcatt	720
gtcatcctcc	ttccacatgg	ctacgatggg	gctgggccag	accactcatc	ctgtcgaata	780
gagcgtttcc	tgcagatgtg	tgacagtgcg	gaagaggggg	tggacggaga	cactgtgaac	840
atgtttgtgg	ttcacccaac	aactcctgca	cagtatttcc	acttgcttag	gagacagatg	900
gtccggaact	tcagaaaacc	actcattggt	gcttccccta	agatgttact	caggctccc	960
gcagccgtgt	caactcttca	agaaatggca	ccaggaacaa	catttaaccc	ggtcattggt	1020
gattcatctg	tggatccaaa	aaagggttaag	accctcgtgt	tctgctccgg	caaacatttc	1080
tactccctgg	tgaacaaaag	agaatctctg	ggggccaaga	agcatgactt	tgcatcatc	1140
cgagtagagg	aactctgccc	cttcccgttg	gattctttac	agcaagagat	gagcaaatac	1200
aaacatgtta	aagatcatat	ttggagtcag	gaggaacctc	agaacatggg	tccgtggtcg	1260
tttgtttctc	caagggttga	aaagcagctg	gcctgcaagc	tccgtctggt	gggcccggcc	1320
cctttgccag	taccgctgt	aggaattggc	acagttcact	tgcaccagca	tgaagatata	1380
ctcgccaaga	ccttcgcttg	atgatgactt	ttgaagaaac	actatttctc	tttaagaaaa	1440
tggccattaa	ggccgggtgg	ggtggcacat	gcctgtaatc	ccagcacttt	gggaggccaa	1500
ggctgggtgga	tcacctgagg	tcaggagttc	gagaccagcc	tggccaacac	ggtgaaaccc	1560
cgctctact	aaaaatacaa	aaaatagccg	ggtgtggtgg	tgggcacctg	tgatcccagc	1620
ttcctgggag	gctgaggcaa	gagaatcgct	tgaatctggg	aggcggaggt	tgcagtgagc	1680
caggatcaca	ccattgctgt	ccagcctggg	tgacagagca	agactgcgtt	tcaaaaaaaaa	1740
aa						1742

<210> 4540

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(406)

<223> similar to gi4185943 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4540

atagcactcc	ccagatgcaa	cttaatctaa	cactctatac	tttagatttt	ctagacatac	60
atagaaatca	gaccactact	tctgcagaac	attttactag	taaaaataat	aggccacgtg	120
agggaaaact	gatttggtgg	aaagacaaca	aaaacaaaat	atgggaaata	ggtaagggtga	180
taacatgggg	gagagggttt	gtcgtgtttt	caccaggaga	aaatcagctt	cctgtttgga	240
taccactag	acatttgaag	ttctacaatg	aacctcatcg	agatgcaaat	gaaagtgcct	300
ccgcagagac	agaaaaccca	caatcgagca	tcatccaccc	gcaggatgaa	caaaatgggtg	360
atatcagaag	aacagataaa	gttaccatcc	accaagaaaa	cagcacatgt	ggagagcccc	420
ggagaagaat	agaaagaaaa	agagacggag	atcagagaca	gacacagaaa	gtgagattgg	480
ggagatagtg	ttaaagagag	agagagagag	agagagagag	accataagag	aaggagagaca	540
aagagataaa	aggtgcgagt	catcagggtga	ggagaaaagac	tgaaaactat	gagaa	595



<210> 4541  
 <211> 1892  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1893)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1888)...(824)  
 <223> similar to gi3004552 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4541

ttcatgatgc	aaatacatgt	tcatattatc	agtttttttaa	aaaagcaaag	tttgттаата	60
tttattatct	tattttttaag	aacnaagaaa	tacacattaa	aataagattg	tttttaagaa	120
aaagcacccc	cccaccccaa	aaacacaaaag	tccaaggatc	tctcccatc	tccaaggctt	180
aaagggcagc	tatccagctg	tagtctattt	tcctaaattt	tctcagttct	ttttcttcag	240
atthtgacaa	ctgatgtata	atgtcttctc	ctaaacctgt	gttacttgta	tcctggactt	300
tttcggtaaa	atcattttct	tcactctgaat	cttcactttc	tttttcttct	tccatatcta	360
catcttcagg	aatttcccta	gcactcttag	tctctttaga	cagcagcaat	gaatttacia	420
acatggagca	caggaaagca	gcagatggca	ggacatgggc	tggagtgtga	agaagctcac	480
taattgcggg	tatgttttct	gttaagggtg	gttgtagcag	ctcattctct	aaagtttcgt	540
ttagtttttc	atcctgctgt	tgccctgtgt	ttcccaatat	gaaataaaaat	ggggttggtg	600
gaagactttc	ttctgctagc	agctgtttgc	ttgttggtgt	gagtttttct	tctggagact	660
ttgtactgaa	tgtcaataaa	ctctgtgatt	ttgttaggaa	gtaaaaactg	gatctattta	720
gccactggta	agcttctgag	gtgaaggatt	cagggacatc	tcgtggaaca	aacactcccc	780
actggacttt	ctctctggag	ataccctttt	gaatatacaa	tggccttggc	tcactaggtt	840
taaatacaaa	caagtctgaa	cccactgaag	actgagagat	tgcagcaata	ttctctgaat	900
taggatcggg	ttccataact	ctaacattta	atthttgcatt	ccactccaat	gcacagctca	960
gcagattcca	acagcaaaga	atgccatttt	cagtagcacc	aagtagatac	tttgaacacg	1020
tcaatctccc	aaagcaaagg	tgcccttattt	tcccagctcg	ttggcaaaaat	gtacatttaa	1080
gttcccatgt	tacagaatcc	catattgtga	ctatttcctc	aaaactaact	gctagtaaag	1140
aaccatcttc	ggagaaacaa	cagttagttg	cttgataact	gtgataacta	ccaacaaagt	1200
cacaggtcca	gccaacagct	tttttggtata	tgtcagagtc	atctgttaat	atccatactt	1260
tgaagtaacc	atctttgcta	gctgtaacca	aggtgggctg	ttcagatttt	tctgcattac	1320
agaaacagag	agctgtaatg	cagtcttcgt	gtggcatgtt	aatttttagtg	ttaagaataa	1380
acccttggtg	tttcttatta	tacatccaca	gtttcatttg	caattcaagc	tcagtttctt	1440
tttcttgccg	ctgttccact	gttgcaagcc	agttaccaaa	gcagccaaaat	gcagcctttg	1500
ttagtccaat	ttggatcaga	ccataatcat	taatataatc	ttgctgtata	atatctaaat	1560
tgtataactg	tttatcactc	tggagagaat	aaaactgcag	gtggccagggt	tttccattca	1620
aaaccaaagc	tttagttctt	ggatcaatca	tcaaaccagt	gaagatactc	ctatctttca	1680
ctaggccttg	aattactgcg	gatgcttcaa	ggtttcggtg	aataattatt	atcttattat	1740
cagagtgaga	agtgcagaat	aaatctcctg	caggcgagac	tgagatatgt	tcaatagtag	1800
ctcctaaacg	cgggagaaac	tccttattct	tctctgttgc	atcgcgccac	tctacaagta	1860
cagattcacg	accgccactc	agcagactgg	tg			1892

<210> 4542  
 <211> 1784  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1785)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1781)...(669)  
 <223> similar to gi669009 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4542

tttttttttt	ttaaacagat	cgaacccact	ttattttcttt	gtgcttttcc	agtcacttat	60
atacaattac	aataaagcaa	atcattctct	atatttttgt	taaatcatca	caaaatgtat	120
gtttaaaaag	tagtttaagt	ttactagaâa	gtactatctc	caatagctgt	atagcctanc	180
ctatgtaaat	ccatatttat	gcctaattga	agagaatata	tttccaccct	tccaggatat	240
tgtattccat	tttttcctag	cccttaataa	acattttata	aatactgaca	ctggggataa	300
agttactgat	aatattatat	ttactttggc	ttcgcagagt	aaaaattggt	attcagtcac	360
atacaacatt	ctcgcatttt	tttagtcaat	cctcaaacta	cctgagatgt	aaccattatt	420
actcagttat	ataaagaaac	caagattcag	gtatactaaa	taattttgtga	gtattcatga	480
cagaacatgg	cagggtttgat	tgcaactctg	tttgattcca	aagtgtttgc	tctttccact	540
tcacgtaaat	gtattttccac	tttatcataa	tgtattttctg	gcaagaagca	taagaatcaa	600
aaacgtgacc	tgaaaaacta	ctatgggaatt	attttttaagt	ggttttgcata	gactttgttt	660
ttagactttg	tttaactttt	cccaaaaagt	tgtactcagt	tggttcaaagg	ctaagacaac	720
gttgctgtct	tcatttttcac	atagctcacg	caaggaaaca	ctgatagatt	taatgggtgag	780
tgcaaaatcc	ttcaacaaat	aataagcatc	tccttcattc	atcctgttat	cctggactaa	840
tcctatcaag	gaaccatggt	tgtagaaatc	cagtgcatag	gcattaagcg	acattttcct	900
tcctcggtta	tcaaattttct	gtgacaacag	cactggagcc	tgagagcgat	tgacaccgat	960
tgtgcctaga	gtaacatggt	ttggagtttc	tagtccaagc	aaatcatcat	caaagtcccc	1020
agacagacaa	acaaatggtg	aaattgctac	tcttccttcc	ttgcagctca	tcaaattgaga	1080
tacgagttga	gagtccttcac	attctttacc	tgtgaatttg	atttttgaca	atgggagttg	1140
atattcctga	ttcatatcag	ccagtttgga	aacaattcgt	aggaaaagtgg	taaagtcctc	1200
cataattttc	atgttatatt	catctaaagc	atcactaaaa	tcctcaggga	gatcatcaag	1260
gaacaccttt	gattgataaa	actcgaagtg	tgcatcttgg	aactttgggtg	gaaaaatatct	1320
tcttccaaag	agatgtgccâ	atactaatac	tagcttttcc	ataacgtctt	gagaaaaatg	1380
ttttgagcct	ttcctgggtg	gctgacagag	atcatggaag	agtccattta	caagaaaact	1440
gacaaaaaca	agattagaag	gttcatgata	atgcaaagt	gatacaagtc	cagcaaacc	1500
cataggatta	ccttcttgat	ctaaatagcc	ctctttcacc	aggaaactgca	aagaaaacag	1560
gaagtaaaagt	tttaacatgt	ccatgactct	gggttgcttg	aaggacagca	atgaatgctt	1620
tagcactgat	agcacctttg	ccttggcatc	ctctgggtca	tctcccttgg	aagccagcag	1680
catgagtcgc	aggaccaggg	ttatgctgag	aggggaagtgt	cctctcagct	caggaacatt	1740
ggattttatg	agttttccta	ttttggggaa	tgggaatatca	aaag		1784

<210> 4543  
 <211> 1977  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1979)...(1715)  
 <223> similar to gi3879783 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4543

gggagattca	ttataaaagt	cagtttattt	tccctttctg	tgtttcgtat	tttccctttt	60
tgtcagtaaa	tgagcaatac	actgactgga	aatctgcatg	attaaataac	attaacaagt	120
tcataaacac	accccatatc	agagtataaa	gcaagagggt	gaaaaatatac	ccctaaccga	180
atgcaaatta	ggtatccctc	aaaattgcac	attctcctcc	tagtttgctt	gcataattta	240
aaatatgtat	atacagaatg	atcttaaaat	attgataact	agtatggaat	tcacagccct	300
gaagatatat	atactctaca	tttttctaaa	gaacggacac	ccctcaggcc	ctagtaatcc	360
attcatgtga	ttcaatgtca	tgtacagaca	gtcctcagct	tctgattttt	ggactttaca	420
atgggtgtgaa	atggttgcaa	tttcaacata	atgtacaata	ttcaataaat	tacatgatat	480
attcaacact	cgattataaa	atagagtttg	tgtttagatga	ttctgcccaa	ctgtgggcaa	540
ttctaagtgt	tctgagtaca	tttaggggtg	acgaggctaa	gctgtggtgt	ccagtcaggg	600
gtattaaatg	catttgactt	ccaatgggtt	tactgggaca	taaccccatc	ataagtcaaa	660
gagcatctgt	acttgacact	tactagaaga	aaaggctctt	cccttttctc	taattctagt	720
cttctgctga	ggtaactcca	ggaagctggt	tgtgccagag	atcaatcctc	taaaaataga	780
ctaagcagat	tagcttcccta	gaggatccta	aagtcccag	acaacaaatc	tgggatggag	840
tgcttcgggt	gtgagttaca	cgtcggaatg	ttcaagataa	atgatgtacc	ttatggtcct	900
ttacacgtca	gaatgttcaa	gataactgat	gtaccttatg	gtccttgaaa	ggaagactca	960
atacttccag	gagtcaaaagt	taatttgaat	gaaaatggaa	gagaacaagt	tgccaataat	1020
ttgaagcaat	tcattgcttct	agggctgaat	gacgtttaga	tcagacacag	agtgactgag	1080
ccaatcaaca	ggcatgtagt	gtgatctttc	ccaccacagt	gaacagaggg	attcctttgtc	1140
caaggcaggc	ttgcagctcg	gtccagcttg	agcatttgat	caggatttga	tgcttcaaag	1200
atgacccact	ctctgtaaac	tcattaccaa	agcaaaatgc	aatgatctct	tccatttgtg	1260
gaacatacca	ccaacacaaa	ccacgcgtgg	ctttgcctcc	tgttcactcc	attttcaagg	1320
ctagagaaag	ttcaagtcca	aaacaacagt	taagggttaa	acgctaaacc	tcaataggcc	1380
aaacaaagac	gcgggcagag	tcagaggcca	aagatgctgg	cagagtcaga	agtcactcgg	1440
cacattcatg	aaacaacagc	aaaaatcatc	aacagtaatt	cctgtagtgt	agaaaactag	1500
tgcagccttc	actgctgggtc	agcatctcag	gtggctggca	gtggtgagag	acgcctgaca	1560
atccaagatc	aggctggagc	tcctagacaa	acccaaatta	gggcagactc	gaagccccag	1620
cggctctgat	gtggctgaca	ttgttctttc	tgtctcgagg	gcaccgggtc	ctccctcaat	1680
atgtgagcct	gtctccttag	cacgagagag	aatatttccc	tcactattaa	tggcgagata	1740
aacacaattg	tacaacttgt	catgagaatg	aaaaagtaga	aaaccacat	ccatcctagc	1800
ttgtcccggg	tcagagacac	taaatactgg	cccactgcag	ctccaatgct	ccccgaacca	1860
tccacaattc	ctgtgacagt	ggccaaaagt	tcactgctcc	tttgatgag	ctcctggcga	1920
cccaagtcgg	cagaaatagc	agatctgatc	atattagacg	gtcctccaat	aaacaat	1977

<210> 4544

```

<211> 1308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1183)
<223> similar to gi5630079 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4544
atgggtataa ctctggagtc ttttctttca gatgaagagc ttgtcatcaa agctgaaggc      60
cttgctagat cctcggtgtg ccctgaggtt ccagtcacct tctcttctcc accagcagca    120
gcaaaggatg ctttttcaga tgtggctttc aaaagccagc agtctacatc catgacacct    180
tttggtacgtc cagccactga cctgcctgaa gcctctgagg gacaagtga ttttactcag    240
ttgggtagct atccccctcc acctccagtt ggcgagcagg tgttctcatg ccaccactgt    300
ggcaagaatc tcagccaaga catgttgctg acccaccaat gtagccatgc tactgagcac    360
cccttaccct gtgcccagtg ccctaagcac tttactccac aggcggacct cagcagcacc    420
tcccaggacc atgccagcga gacaccccc acctgcccac actgtgccag gacttttact    480
cacccatcaa gacttaccta ccatcttcgg gtccataaca gactgagcg tcttttcccc    540
tgtctgatt gccccaagcg ctttgctgac caggctcgac tcaccagcca cgggagagct    600
catgcaagcg aaaggccctt ccgctgtgcc cagtgcggca ggagcttcag cttgaaaatc    660
agcctcctgc tccaccagcg gggtcatgca caagagcgcc ctttctcctg ccctcagtgt    720
ggcattgact tcaacggcca ctcgccctg atccgccacc agatgatcca cacaggcgag    780
cgtccttacc cctgcaactga ctgcagtaag agcttcatgc gcaaggagca cctgctgaac    840
caccggcggc tgcacacagg cgagcggccc ttcagttgtc ctcactgtgg caagagcttc    900
atccgcaagc accacctaata gaaacaccag cgcattccaca ccggggagcg gccctacccc    960
tgctcctact gtggcaggag cttccgctac aaacagacac tcaaggacca cctccgttca   1020
ggccacaatg gaggtgtgtg gggatgatgt gacctatcag gtcagccacc caaccacca   1080
gggtcccctca taactgggct tgaaacttct ggcttgggtg tcaacactga aggtctagag   1140
accaaccagt ggtatgggga agggagtgga gggggagtgt tgtaaatacca aatctctgtg   1200
gcttcatgct ttgtatatgc tcacagcagg gcacaaaatc caagagaagg tctgtgagcc   1260
ccatccaaca cccacagtaa ttataatctt ggcacatcaa tgggaattt      1308

```

```

<210> 4545
<211> 1430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1431)...(832)
<223> similar to gi4156193 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4545
tttttttaat tttaaagtgt ggttttatta atgcacttca gggtaagtgc cagtcttatt      60

```

ttagcttctt	ctggaagaaa	tactaccaat	tataaataat	cacagcaaca	ttttcattag	120
acaaaaactg	tgtgtgtggg	tgtggtaggg	gggtatcatt	tatagcatat	tgcaaatata	180
aactcaattc	ttgagctata	ttaacaacac	tgagcaacaa	tatttctttc	taaaattttc	240
ttttctttta	ggcagatctg	tttattacta	acatgggtgca	gtgtagtttt	agtaaattta	300
ctatttttagt	ttctcagtga	caataacaca	gatgggtcaga	aaacaggcaa	caaaatctct	360
tttctagttc	ctctacctgg	ccaccattta	aaaaacacaa	gttcctcata	tatatagata	420
tatttatata	ttactgtatc	aaaacacatt	ttaacacact	tcacagctca	tttaaagctt	480
cagtttatag	tcattcatgt	gaaaggtttc	tataaggaat	gttcacttag	aattcctcac	540
tgggattcca	gtgttctatg	tcagaaatgc	agaagtcctt	tttcagtgca	gtgctagaca	600
tattaccttt	gttcattcat	gattttcttt	caaggatttc	ctaacttcac	ttttgtatct	660
tcatttttgt	ttgcttgact	aatttccttt	agtatacgtt	caggtaaggt	aggttgatat	720
ctgtataaat	aaccatatgg	acgaagatga	taaacgaggt	attctaactc	atacatgggt	780
gtagaatcaa	catagtgaat	agaaactgca	agatcagagc	agcaaccagg	accctctaca	840
ggaggataat	agttgtaatt	ccagtaccaa	aacgttctag	gtagataacc	tttaattaaa	900
tgggtgttctg	gcacaaaggg	atgaaaagtt	tcttttccaa	tggtatctct	ggaatctcct	960
gcttctacat	tcataatttc	catgcatctc	cccagtgcct	agtcttcaat	ggaggaacta	1020
tgtgtacact	tgtctgtttt	aaatgcatca	acaaatcttt	tcaaggcttc	tttgcttagt	1080
acatatcctg	ctctccact	catgtagccc	tgctttacat	aaggcttaaa	tcttctccca	1140
aagtaaatgg	gttcttcagg	gtcgtatttt	gaaagaagcc	acctcaaatt	gtctagtatg	1200
acatacgtgt	catcatctgc	tttcaaaaac	caatcagcat	cttctaaata	atgttcatga	1260
acatactgaa	aagctttaat	tgttttccag	tatagttgat	ctctgccttc	tttggttttc	1320
agtcccacag	cagggaagtc	tttattttct	tctgaactca	taaacaacac	tttggttaca	1380
cgctgggccc	aagtagcttt	gacgtgtttg	gcctttttct	ctaggttttg		1430

<210> 4546

<211> 1313

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(939)

<223> similar to gil79421 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4546

tagaaggggac	gcttccaacc	gattactacc	agctatgact	atgatgcacc	tatatctgaa	60
gcagggggacc	ccacacctaa	gcttttttgc	cttcgagatg	tcacagcaa	gttccaggaa	120
gttccttttg	gacctttacc	tcccccgagc	cccaagatga	tgcttgacc	tgtgactctg	180
cacctgggtg	ggcatttact	ggctttccta	gacttgcttt	gcccccggtg	gccattcat	240
tcaatcttgc	caatgacctt	tgaggctgtc	aagcaggacc	atggcttcat	gttgtaccga	300
acctatatga	cccataccat	ttttgagcca	acaccattct	gggtgccaaa	taatggagtc	360
catgaccgtg	cctatgtgat	ggtggatggg	gtgttccagg	gtgttggtga	gcgaaatatg	420
agagacaaac	tatttttgac	ggggaaactg	gggtccaaac	tggatatctt	ggtggagAAC	480
atggggaggc	tcagcttttg	gtctaacagc	agtgacttca	agggcctgtt	gaagccacca	540
attctggggc	aaacaatcct	taccagtggt	atgatgttcc	ctctgaaaat	tgataacctt	600
gtgaagtggg	gggtttccct	ccagttgcca	aaatggccat	atcctcaagc	tccttctggc	660
cccacattct	actccaaaac	atttccaatt	ttaggtctag	ttggggacac	atttctatat	720
ctacctggat	ggaccaaggg	ccaagtctgg	atcaatgggt	ttaacttggg	ccggtactgg	780
acaaagcagg	ggccacaaca	gacctctac	gtgccaat	tcctgctgtt	tcctagggga	840

gccctcaaca	aaattacatt	gctggaacta	gaagatgtac	ctctccagcc	ccaagtccaa	900
tttttgata	agcctatcct	caatagcact	agtactttgc	acaggacaca	tatcaattcc	960
ctttcagctg	atacactgag	tgctctgaa	ccaatggagt	taagtgggca	ctgaaaggta	1020
ggccgggcat	ggtggctcat	gcctgtaatc	ccagcacttt	gggaggctga	gacgggtgga	1080
ttacctgagg	tcaggacttc	aagaccagcc	tggccaacat	ggtgaaaccc	cgtctccact	1140
aaaaatacaa	aaattagccg	ggcgtgatgg	tgggcacctc	taatcccagc	tacttgggag	1200
gctgagggca	ggagaattgc	ttgaatccag	gaggcagagg	ttgcagttag	tggaggttgt	1260
accactgcac	tccagcctgg	ctgacagtga	gacactccat	ctcaaaaaaa	aaa	1313

<210> 4547

<211> 4715

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2467)

<223> similar to gi4589562 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4547

ggcggcgggc	ggggcagcgc	ggcgcgtgtc	tgtgcgtgtc	ggcgcgtcgg	gaccggggacc	60
ggggcgaggc	gccgcggggc	tgagcccagc	agacattgcg	ttggcctccg	agcaggggcg	120
atcatgcagc	gttcgcgcac	cggagagaaa	actgagaatg	aaattgcttt	ggcaagctaa	180
aatgagctcg	attcaggact	ggggtgaaga	ggtagaggaa	ggagctgttt	accatgtcac	240
cctcaaaaaga	gtccagattc	aacaggctgc	caataaaggga	gcaagatggc	taggggttga	300
aggggaccag	ctgcctccag	gacacacagt	cagtcaatat	gaaacctgta	agatcaggac	360
cataaaagct	ggcaccttgg	agaagcttgt	ggagaacctg	ctgacagctt	ttggggacaa	420
tgactttacc	tatatcagca	tctttctttc	aacgtacaga	ggctttgcct	ccactaaaga	480
agtgttgga	ctactgtctg	acaggtatgg	aaacctgaca	agcccaaact	gtgaagaaga	540
tggaagccaa	agttcatcag	agtccaaaat	ggtgatcagg	aatgcaatcg	cttcataact	600
aagggcctgg	cttgaccagt	gtgcagaaga	cttcagagag	ccccctcact	tcccttgctt	660
acagaaactg	ctggattatc	tcacacggat	gatgccgggc	tctgaccagc	aaagaagagc	720
acaaaatctt	cttgagcagt	ttcagaagca	agaagtggaa	actgacaatg	ggcttcccaa	780
cacgatctcc	ttcagcctgg	aagaggaaga	ggaactggag	ggtggagagt	cagcagaatt	840
cacgtgcttc	tcagaagatc	tcgtggcaga	gcagctgacc	tacatggatg	cacaactctt	900
caagaaaagta	gtgcctcacc	actgcctggg	ctgcatttgg	tctcgaaggg	ataagaagga	960
aaacaaacat	ttggctccta	cgatccgtgc	caccatctct	cagtttaata	ccctcaccaa	1020
atgtgttgtc	agcaccatcc	tggggggcaa	agaactcaaa	actcagcaga	gagccaaaat	1080
cattgagaag	tggatcaaca	tcgctcatga	atgtagactc	ctgaagaatt	tttctcctt	1140
gaggggccatc	gtttcggcac	tgcatgctaa	ttccatctat	cggttaaaaa	agacttgggc	1200
tgccgtccca	agggaccgaa	tgctgatgtt	tgaagaactt	tcagatatct	tctcagacca	1260
taataaccat	ttgaccagcc	gagaactact	gatgaaggaa	ggaacctcaa	aatttgcaaa	1320
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ggcatgggt	gtgatgcagg	gaactgtgcc	ctacctgggc	accttcctga	ctgacctgac	1440
catgcttgac	actgcccttc	aggactacat	cgagggtgga	ctgataaact	ttgagaaaag	1500
gagaaggggaa	tttgaagtga	ttgccagat	aaagctctta	cagtctgcct	gcaacagcta	1560
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gccaagcct	tggaagagca	tggtgaagag	actcaaccta	ctgtttctag	gggctgacat	1740

gatcaccagt	cccactccca	ccaaagagca	gcccgaagtc	actgccagcg	ggagctctgg	1800
tgaaagcatg	gactctgtca	gcgtgtcatc	ctgcgagtcg	aaccactcag	aggctgagga	1860
gggctacatt	actcccatgg	acacccctga	tgagcctcaa	aaaaagctct	ctgagtcctc	1920
ctcatactgt	tcttctatcc	attccatgga	cacaaatttc	cttcagggga	tgtcttcctt	1980
aatcaacccc	ctctcctccc	ctccgtcctg	caacaacaac	cccaaatcc	acaagcgctc	2040
tgtctcggtg	acgtccatta	cctcgactgt	gctgcctcct	gtttacaacc	aacagaatga	2100
agacacctgc	ataatccgca	tcagtgtgga	agacaataac	ggcaacatgt	acaagagcat	2160
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cttgacgttg	cccaggacag	ctaaacgggg	ctgctggagt	aacagacaca	gcaaaatcac	2460
cctctgaag	gagggaccag	tggccccctg	tttgccaaag	gcagagtggg	gctgagaaac	2520
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atttattgag	ttcctgtggt	gtgcaaagca	ttatgatagg	caccgtgggg	aaactggaaa	2640
tgaatttgac	atgaaaagga	tgaacgattc	actgattctc	tttgactcat	ttgagactaa	2700
aatgcagaat	taccaacatt	taaaacatat	atatgcacat	gtatttggtg	tgcagtgtga	2760
tatatataaa	aatatataag	agggacttta	tgggatagta	tggactatgg	aaaaacaaat	2820
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cctagtctcg	tatatcttga	gtaaatggaa	tcagtcctgg	gaatagagag	tgtcctttgt	2940
gccagtatta	caagaagccc	aaactttatt	tttataaagg	gagaggatga	ctttctcaat	3000
caagtgccac	cagataaaaa	caactgcaga	ggctggaact	gccacaggct	gtatgaaagg	3060
ccactttgga	aaggggtttg	atgagctggt	ggccttcaac	ctctgcctgc	atctgccact	3120
ttctgctacc	ctagggaggc	caggaggagc	ttcggaggac	catcgcccca	ctggtctagc	3180
catcatgaca	cctctggagg	tgtcaagctc	ctgaaacaag	ctcatttcag	tttctggcaa	3240
ccccgtgtat	ttccgttttc	cccctaaaga	acatatcata	atcattgcac	aaataaccat	3300
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cagcatccta	ttttacttac	ttttatagca	ttactgtgcc	tagtcgtggg	gaaagagatg	3660
gggctgtata	gattatctga	atcatttgtc	taagaggtag	attcttccag	atggaatcaa	3720
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atatgaagtg	cagattgtaa	catggagcta	tttttttttc	ctaattccat	aatacagctc	4020
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agggaaagt	tagagatttg	cggcaatgga	ccgaagaacg	ggccaggaag	tcctccaatt	4140
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gtcaaaaagc	actttcttct	gttttcaatc	cctgttcgat	ttgtgcttct	gtgctttag	4260
gagagatggc	caggggtggca	gccctcatgc	aggttgaaat	atatgtagcc	tcagcctgat	4320
attcttgggtg	cgaagggtaaa	aaaaaaaaaa	taaataaaac	cattggcctg	gttgaggggcg	4380
tgaccaccaa	aacatatatg	ttgggcccgg	gttcactcctg	ggtatttata	ctgtatatgt	4440
agagtctaaa	tttatatact	gcaatgtaaa	atatatatat	atttaccttt	tttaaagaca	4500
atggaaattc	caagtagcta	aaacttagct	tcattttattt	aatgccactt	taaagtgtctt	4560
aaatttgttt	cctgggtggac	agccgggtaa	tgcttttagc	tgctcgcatg	cttgtctttc	4620
tgcactctcca	tcactctgtt	accttttggt	taaactaata	aactagtttg	ggacttggct	4680
ggcatgtgct	gccagaccca	aagggaaaaa	aaaaa			4715

<210> 4548

<211> 1540

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1532)...(946)  
<223> similar to gi304346 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4548

tttttttttt	ttgaatgttc	tcaccaaagt	taaaacaggc	ccagtcaatg	ccatttatta	60
tacatgtcaa	acagcttcta	agaccgacgg	gtcccataa	taaggttttg	gggatttttt	120
gttttgtttt	tcattttctt	ttttgcatca	aacaggttct	tccaaaagcc	tgctcacaag	180
gtagacaaaa	acataaatct	tcaggaaaaat	gaaacaagag	aagctgaaac	aatctacacc	240
tgaatgttaa	aaaactcatc	agacacaaaac	cacaccaaac	actcatccca	tttaatttcc	300
tgttacatgc	tctgaggaag	ccaagaacat	caggccccag	ggcagcaatg	ctctaggatt	360
ccagctcgga	ccccctctat	atgacagatt	catgcacaca	catccacaca	ccatagaacc	420
aggcagaaat	acacatgcat	gcacaggtgg	ctagagaacc	atagggcagg	atgggaaaaa	480
gggctgatca	aggatatgca	atcaactgga	aactgggacc	tagagaatgc	ttctgttgca	540
ggatgaacat	gagttaaaat	taaaacaaag	gcagaacaca	ggataaaggt	gggatgttca	600
gacaagaggt	gggatagatg	aagagataaa	gatgcagggg	gagttttggg	aaagcagcct	660
cagaagggga	ggtttttctt	tattgggaac	tcaggtgggc	agggtcctgt	gactccagtg	720
atacactgag	gcagaagcaa	tatgccacag	cattacctct	gcaatctgtg	ccctctccca	780
aagtagaggg	aaaccatgag	ccccaccctt	ctatccctcc	ccattgacac	tcttaagaac	840
tttccatta	cccaaaaaaa	aatgaccccc	tactacacac	acacacacgc	aaagttaggt	900
ccagcatagg	ccaaagtcag	gccaagcaca	gaaagcctca	gtaactcttc	ttggtggaac	960
caaagccaga	gaagcccctc	acagctgcca	tctcatcgtc	ctcctcaaat	gtcaagtcct	1020
cctcagccct	ccttttcttc	tcctttctgt	tctcttctct	gtacgctttg	gccttttctt	1080
cctcttctct	gagctccttc	atccttttct	caaaatcata	atccttctgc	ttctcttcca	1140
tcttcttctt	gttgacctca	aaacgtttct	tcacctgatc	caggggtggaa	cgttccacac	1200
gcatagacat	gccaggtttt	ctctgatgtt	tctttccatt	aatgtgatcc	agaaagttga	1260
tggtgtcctt	caccacacag	tcacagacat	tgcagtaata	tcctcccatc	tcagattgag	1320
gggtgtgtctt	ggtaatgaca	attgtcttcc	caagcttgga	ttccaagtcc	accttgtagt	1380
ccctatgccg	taaaagctct	cgcttgacag	gctgcactgg	ttttccatct	ttcttttctc	1440
tctcttccgt	gagcctcttc	tcggcgagtt	tctcatattc	atctttgtcc	cactttcggc	1500
gaaagtccaa	gttttttgtc	ccgtgccccg	acgccatctt			1540

<210> 4549  
<211> 2233  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (28)...(632)  
<223> similar to gi4468141 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



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<400> 4549
gcacgagggg atgcaagtga atttagtaaa aatccccata ttgtgagttt tgctggaaat      60
caagtaacta ttataagagc tgatggctcc ctggttcaca tcagcataac accatatcct      120
gctattctcc atgaatatgt aagcagttca aaatgggaag atgctgtgag actttgtcgc      180
tttgtaagg agcaaaccat gtgggcttgt ctagctgcta tggcagttgc taatcgagat      240
atgactactg cagaaatagc ctatgcagca attggtgaaa ttgataaggt tcagtacatc      300
aattctataa aaaatcttcc atctaaagaa tcaaaaatgg cccacatact actgtttagt      360
gggaacatac aggaggctga aatagtactt cttcaggctg gccttgttta tcaagcaatc      420
cagatcaata ttaatctcta caactgggaa agggcactgg aattggctgt aaaatacaaa      480
acacatgttg atacagttct tgcttaccgt caaaagtttt tggagacatt tggtaaacag      540
gaaactaata aacgatactt gcattatgca gaaggctccc aaatagattg ggagaaaatc      600
aaaagccaaaa ttgagatgga aattacaaaa gaaagagagc aatcatcaag cagccaatcc      660
agcaagagta taggtttaaa gccctaaatg ccatgcgtat ctttaagaaa ttttatcttt      720
tgaaacacgt tctgattaac caagggtgag catgttttgg ttgctaaaga aaaaagcata      780
atctttaacc gagtataagt acttgctgtg tatttagtgt aaaagtacat gcagaaagat      840
gaaacacaaa gtaattgatg tatttctatc ttttatattt tttagtccaa taattagcaa      900
aatattacta tgtacttaag agatacctgt gtagtgtcga ttatatgtca gttttttgcc      960
cattacttca tccctaaatc ttcagcatga acaaatatta atgtcgataa taaaacattg     1020
gactctttga aatgtatgtt accattaatt tctatttgac ctctaaattg taaaatgcct     1080
ccaaaagttt atttatagaa caaaaataca tgaggatgga tttgtacaaa tgtataaaat     1140
gccactattt atacaccaag ttcatagcag cattactgga atagcaaaaag atggaaacag     1200
ctcaagtgtc tatcatgaat ggataaacia atgtgctata atacatacaa tggaaatatta     1260
tttagcttta aaaaggaatg aaattctgat aaatactacc tcaggataaa ccttgaaaac     1320
actatgctaa gtgaaataag ccagacacaa aaggccaaat atgatgccac ttttatgagg     1380
taccagcata ggcaagttca cagaaacaga aaggagaata gtggttgcca gggactgcag     1440
ggaggaggaa atgggggggtg gggttattgt ttaacgagta catagtttct gtttgggatg     1500
aacaaattct ggaaatggat agcgatgatg gttgctcaac attttgaatg ttaatgccac     1560
taaattgtac ccataaaaaat ggttaaaaatg gtaaatattg ttatgtatat tttatcataa     1620
tttaaaaaat atatctagaa tgggcaagaa ggattctcct cattcctctc ttgacttgag     1680
aatgatcagt caataggccc tgaagtctga atttgtgaaa atttccttgg gtgacaaact     1740
tgtttgatta ctctatttag tgtatcccaa agttattacc acataatctt ttaacaataa     1800
aaacaaatac cccttagaaa gtcttctgca aaccatttct tgaaaatggt acattatagg     1860
gtgggtatag atgcatagat atgggattat gtatgatata tatatatata cacacacaca     1920
caaagggata gagagattac ctctcttaac cccattttta attactatgt ctaggttttt     1980
taaataaaaa tcttttcttt ttaacatgtt tcttttcttt tccggaatat tggaaatattc     2040
tgttcttgat ccagatgaaa tctgattgag cagtgtactt acaagttgta ctgtgtgtgt     2100
gtttcctata ttgttatatt tcaataagaa gcttaaaaatg tttaaaaata aatgagttaa     2160
aaggttttat attatgaata ttataacaca ataaatgcaa aaaataaaaa gtctgtgttc     2220
taaacaaaaa aaa                                           2233

```

<210> 4550

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (769)...(648)

<223> similar to gil314637 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4550

ttcggcattt	cagtaaattt	ttttaatgac	tttaatgatt	cttattttaag	aaaaagccct	60
taaataaatg	ctaccaaggc	agtaatattt	gaccatatga	accagaccaa	atacccttta	120
atthtttagtat	attaaacctc	tgctgtaaat	gctcttttaa	cattgccaca	tgtacaaatt	180
tgtctagaac	ttcacgacac	aaaagtgtgc	aaatatgagt	ctaagattgt	gctgaaatag	240
ggaaaggcta	acactgatgt	gcaaagtaaa	aaagaaagat	acccgcttct	gcaccaggta	300
ataaaacaag	gaaaaaccga	gttaggtcct	gcatgtgtct	ccacttcatt	gcttccatgt	360
ttgaaaaagg	gagtctgttc	ttttgctagg	ccatgaggct	ggaatccact	tggcatactg	420
tggtgagagg	tctaagtcca	gtggtgctct	cagcagcagc	cgggagggtgt	gattctgagg	480
ctgggtgacc	tgtgctttca	gagaagcagg	aaagggccct	ctagggtgtgc	tgcagtctct	540
cagaaagagt	tcatcaaagt	agcgagcaac	gaaagaaact	ggctcttctt	gatcgggttt	600
ctgttatttt	cactgggtcca	cctgctcctg	ctgaattgct	gtcattcgat	gggtggagatg	660
aagggtggtg	tgaaggcgct	ctctgagaag	cggaaacagga	ggcagggtctt	gcctaccccc	720
gagtcgccga	tcagcaggag	cttgaagaga	taatcgtacg	tctccg		766

<210> 4551

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1743)...(1649)

<223> similar to gil872498 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4551

tttttttttt	ttccatcatt	gaaaatgttt	attaattttt	atgtaattct	tctaatecta	60
aaagactgaa	aacattgtct	tttatagttt	gcgggaattt	ttaatgcctt	aaacagaaac	120
tccaacagcc	tcatggcttg	ctttaaagca	gagcctgaat	acagggggaa	cacaggtttg	180
cctgaggggt	aagaagcatc	caagagtaag	ggaagactgg	gtaagcaaag	caaaataaag	240
gggcaaacia	aacaaaccac	acagcacaag	acaccctagc	aaaggcttcc	cacagtgtcc	300
ccacacgggt	aggcaccag	gccttttggt	cttataaaat	atgtttttat	tgggtctttgc	360
agtctcacgt	cacaaaataa	caaaatgaac	acaaggcaga	tagagctggg	tggggagcac	420
agacatgtgg	tggccttgaa	agcagctttt	ccccttaagt	ctctagaacc	tgccatgagt	480
aattaagaca	gtctttgagg	atggggctgt	caggtggggg	cgtttcagca	gggtgccgacg	540
agcgccttac	aaacgactgg	ctgaacacct	ttcctcccag	gcctctctgc	cccagcatca	600
ctcaatctgc	tcagtccctg	actgctgcag	gggaatgcgt	gctcagagag	agatgacact	660
tctgaggtgg	ccccagctc	tgggtgcaga	ggagccgggg	tggggtattc	aggccacact	720
tcctgtggc	cacaggggaa	aggaccaggg	gaaaaaatgg	ggcagggatg	gccagctaac	780
aaggggcctt	tggctttgtc	ctggaaaaaa	acaacagaga	aggaccaagt	gagggccccc	840
aactccccca	tccccaccgc	aatacacatg	catattcaga	gtacagagaa	aggcaccag	900
tacattctgt	ccttaaagac	aatgtttcaa	cagtcctcaa	agaacctaa	ttgttctaga	960
gtcctttatg	taaccaggta	atgcacattt	aaaattaatt	tctttaatgg	attcttactt	1020
gatttacaaa	agactcccc	actccccaac	aaagacccca	ccatgctggg	ggctgctgat	1080
gtcccctgta	aaatacatta	taaaaagaaa	taaaaaatta	tcatatgtga	atcgaagggt	1140
tgctttcata	tagcaatttt	ggggacattc	tgtaacagca	aagggttgg	gctaatacagc	1200
acaggcctcc	cactcctgca	ttccatctga	ctcaacgctg	ctccccggcc	tacctaat	1260

cccgggcttc	tggtttctg	gaggacaaaa	agcaggcggc	aagtattctg	ggtaaaatcc	1320
tcccaaagtc	ttccccacc	gtccccccag	tgggggacta	tgggttactg	tgatcaagag	1380
acacctgaac	ataaaacaca	actacacttc	taccaaatac	aaactcaa	ccacacaaca	1440
aaacagaatt	gagcaatctt	accagggatt	gaaaactgag	ggtgtgagat	gctgggctga	1500
gggccaggag	gaggagaagg	aggagagggg	gggaaagcac	agagtgggag	ggagtgaagg	1560
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tggcaacccc	tccagcagct	gggacttacc	tttgtactgg	ggagtgaatt	tgcgcatctc	1680
agcagggagg	gtctcgtaga	actgatgttc	ccttgggacc	aggggcttgc	acagggttgt	1740
c						1741

<210> 4552

<211> 2379

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2380)...(478)

<223> similar to gi5911873 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4552

actgattcca	aggtttgaga	catgcagtgt	ccacagttac	tagtgggtgat	gatgtacatt	60
cttattaagc	tgttggatct	aactgcttaa	taaacacaag	tattagatat	ttcttttggg	120
ccaggatatg	tgtgaaaaaa	gtactgaggc	actaaatagt	gtcatgagct	gagaaaagtt	180
gagaatatct	gtgctatagg	caagaaaaat	acaaaacatc	atttagtttt	tcacctagaa	240
atthttctaaa	taaatagtca	tacaaaaaag	ggaaaaatata	tacaaacgta	catacaaaagt	300
ttggattttt	attgaaatct	tgttaggtat	caaacaaaatt	ctgcttttct	cagataaaaa	360
tattctctca	gatgtctcca	gataactgct	aagtctaaat	tggtccttca	atgtcttatt	420
tttattgtcc	togtgaaatg	ttcatataca	gttaagatgt	tcccaaaaagg	atthtttatcg	480
tgtaaaggag	cgtacatgac	gacctctacc	actgcctcca	ctaacaaact	ttcctcttga	540
gcctccactg	ccgtatattg	cactagccca	ggaagggtcca	agtcccccac	gacctctaga	600
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tgaaaaccca	ccacgggaag	aaatcttctg	tgatactttg	agtggccggt	ttgggtggagg	900
tattccatct	tgaggaacca	cttcttttact	ttcagcagca	acaaagtcat	ccacatgcat	960
agatgggtgg	ctacttgtgt	tctgttttct	ctgacgaaaa	atatcatgag	gtcgtataacc	1020
ctgtccaaat	cctccccctg	cccttctctt	tgggtgggtgg	acaacatgag	ctcttttggc	1080
aggttcaatg	tattcagatt	ttccacttga	cgttataaag	gtctcatgct	tgtgcttccc	1140
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gcgctcta	tctgagtga	aatcaaagtc	actacagcat	ttttcagaga	gttcaattaa	1260
gtcaaccttt	accaaatacca	gatctgtatc	tatctcttca	gcctgaaatg	gagtgaacca	1320
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cagattctga	agagattctg	gagctgaaag	tactggttct	acatcctggt	cactgagagg	1440
taaagggtca	cctgatgact	ccagcatctg	cttaagtcca	actacactgt	ccaacaaaga	1500
atccagattg	tcacatctct	ttgaatgttc	caaaacaagc	ttctctagtt	caaggaacaa	1560
atthttctgga	ctthttctct	tgtttttag	aagctgtttt	aactctgcag	cattaatact	1620
catcgtccgt	gatgtatgag	ctccccctac	ttccatgaga	ccattatcat	ctccacagca	1680

tccaattgtg	tcagagttaa	gaatttgtct	cataaattct	aaaaatgaag	atgcaagctc	1740
tcctgtgtcc	ttactaaatg	tgctgaccac	tcgtttcagt	aaactatgca	gagcactact	1800
gtttttccct	aaagaacttt	ttaaatgaaa	taatccataa	tcattgctctg	caagaaacat	1860
cattgtttctg	acacatgtca	gtaaacagtt	gtaactgctc	tcagagttag	ctagcgtagc	1920
caacagacag	tcacagattg	aggtcatcaa	ttctttat	ggtagagaat	tggagagctg	1980
ctccagttca	gaaatagaac	cttcagaaga	gcttggttaag	ataagtgc	tgctctgac	2040
acagagagac	tgcaaaatgg	atgtgacata	ttcaacacac	tggtggcgaa	taacactgtc	2100
tccaggagac	cgcaccaaag	ctaaaagatc	ctggaatata	tctgcatata	tttcatcacc	2160
tttaatatgtt	ccattaatta	gatgcaaaat	agctaattta	caagctttgt	gtgaagccag	2220
agcataaaga	agagcaagca	acctgggtgg	ttggctagta	tactgttgtt	ctttatcttc	2280
tgaagtgcct	tgcaagtctt	ctacaatcaa	atccaacaca	gttctcataa	tcagaagtgc	2340
agttggtgag	gcaaggtcac	acaattcaac	atatgttac			2379

<210> 4553

<211> 1431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1432)...(298)

<223> similar to gi3880999 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4553

tttttttttt	catcaaaata	ttttatttca	agagttaaca	cttttttcaa	aaagtaaaaa	60
caatataatt	acttcctga	gtataaagaa	ccaatttcta	ccaatcaagg	accattaca	120
aaattaagca	attagaggta	cataattctc	tgcatccaat	tatactctat	ttcaaattta	180
ttcttaaaaa	tgcatgttt	tggaacttta	atgtttcaaa	aaaacctcag	aacaactcat	240
tttgaccta	tggtgttaag	gttatcagtc	tgatctgtct	ttatcaaatt	caagggcaat	300
cttcaaagcg	gtgctattga	ggccaacaga	ttgcatgtta	catatgatag	aaacaatgat	360
tcctcttggg	ggaaccttgt	tatttatagt	ctctgtatcc	agttcttcag	gaaggaccag	420
caggacacta	ctggcaccca	ctgcccctcc	agtatgtgaa	gcataatgcc	gttgctttct	480
acacgaacca	tacgtttgtt	tcctttccac	aacacccccc	gccattgcat	atttaccctc	540
tttatcccaa	gacatctctg	tgttagggac	tggggtccac	atcataacca	ttgtttctgg	600
tttgaggtat	ccaggtaaaa	gattttcatt	tgagttctta	aacagcccaa	cttggttaacc	660
ataaagcatt	gcattcccaa	atttcagaag	gtcaccact	gtagacagaa	atccaccacc	720
agcccattta	taggagttat	ccacgtaagg	tgtgttgaca	agacgtttct	ttttattgta	780
aacataaaat	cttgctctat	tgtaaatcac	tggtctgttt	tcttctcgca	cagtcgtcag	840
catatccaag	tcattggaata	ttttctgcat	atagtccaaa	tatttacatc	ctgaagctct	900
ctctactatg	gtgccagta	gggtatagcc	aaaagtgtga	tacaaaaact	gactaccagg	960
tttgaagaac	aaaggatcat	ttttaaataa	tcttagggat	tcaattgaat	tttcaaactt	1020
ttctctcaaa	tataattcgc	cttggtcaca	atcattcttt	ttcttgccag	gttttgaatt	1080
ccggcatttg	gcttcattct	cctgctctgt	tttaatttta	gtaaaatcat	tcttttcatt	1140
acttttgcct	tctttttctt	gctcaaatgc	aacattctct	ttcatcatct	tcaaggcttt	1200
ataagctttc	tcttctttca	ccttttttat	gtccttttca	taatgacgaa	ttccacttaa	1260
atgggaaatc	agtaatcttg	ttgtgacaga	aaccttttca	ccttcatatt	ctttttctgg	1320
gaattcggga	acataatgtt	gtactggaat	atcaagatcc	agtttccttg	cttccacaa	1380
tttggaaga	gcaaccatgg	tgagactttt	gctgatgcta	gcaattcgca	t	1431

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<210> 4554
<211> 1374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(865)
<223> similar to gi1381029 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4554
gcacgagaaa agatggattc ttgtattgaa gcctttggta ccaccaaaca gaagcgagct    60
ctgaacacca ggagaatgaa cagagttggc aatgaatcct tgaatcgtgc agtggctaaa    120
gctgcagaga ctatcattga tacgaagggt gtgactgctc tggtcagcga tgctatccac    180
aatgacttgc aagatgactc cctctacctt cctccctgct atgatgatgc agccaagcct    240
gaagacgtgt ataaatttga agatcttctt tcccctgcgg agtatgaagc tcttcagagc    300
ccatctgaag ctttcaggaa cgtcacgtca gaagaaatac tgaagatgat tgaggagAAC    360
agccattgca cctttgtcat agaagcgttg aagtctttgc catcagatgt ggagagccga    420
gaccgccagg cccgatgcat atggtttctg gataccctca tcaaatttcg agctcatagg    480
gtagttaagc ggaaaagtgc tctgggacct ggagttcccc acatcatcaa caccaaactg    540
ctgaagcact ttacttgctt gacctacaac aatggcagat tacggaactt aatttcggat    600
tctatgaagg cgaagattac tgcataatgt atcatacttg ccttgacat acatgacttc    660
caaattgacc tgacagtgtt acagagggac ttgaagctca gtgagaaaag gatgatggag    720
atagccaaag ccatgaggct gaagatctcc aaaagaaggg tgtctgtggc cgccggcagt    780
gaagaagatc acaaaactggg caccctgtcc ctcccgtgc ctccagccca gacctcagac    840
cgcttgcaa agcggaggaa gattacctag acgcatgctt tccagacagg gcgtttttggc    900
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aaggctccgg gatggtggct cacacctgaa atcccagcac tttgggaggc cgaggcagga   1020
agatcattga gctcaggagt ttgaaaccag tctggacaac ataggagagc cccatctcta   1080
ccggaggaaa aaaaaaagag tcaggcctgg tgggtgtgcg ctgtaatccc agctactcgg   1140
gaggctgagg caggacgatt acttgagctt gggaaatcaa ggttgacgtg agctatgatt   1200
gtgtggccac actccatcct gggtcacaga gtgagacctt gtctcaaaaa agtaacataa   1260
ggaaaaaaga agccttgctt tagcacaggt atgaagccag aagccagcat ctcaactgtg   1320
cttgtcttat gcagaaatat aaagcgatgg ccaggttgga cttcaaaaaa aaaa         1374

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<210> 4555
<211> 3076
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2622)
<223> similar to gi2792366 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4555

cctgtctctc	ttcgggtctc	gggcccttgg	gcgcagcggg	gcgcgcgcca	tggcgaaggc	60
gaagaaggtc	ggggcgcgaa	ggaaggcctc	cggggcgcgc	gcgggagcgc	gagggggccc	120
ggcgaaggcc	aactccaatc	cgttcgaggt	gaaagttaac	aggcagaagt	tccagatcct	180
gggccggaag	acgcgccacg	acgtgggact	gcccgggggtg	tctcgcgcac	gggccctcag	240
gaagcgtaca	cagactttac	taaaagagta	caaagaaagg	gataaatcca	atgtattcag	300
agataaacgc	ttcggagaat	acaacagcaa	catgagcccc	gaggagaaga	tgatgaagag	360
gtttgctctg	gaacagcagc	gacatcatga	gaaaaaaagc	atctacaatc	taaatgaaga	420
tgaagaattg	actcattatg	gccagtcttt	ggcagacatc	gagaagcata	atgacattgt	480
ggacagtgac	agcgatgctg	aggatcgagg	aacgttgtct	ggtgagctga	ctgctgcccc	540
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gagggagaga	caagctcaac	gagaagatgc	cctcgagctc	acggagaagc	tagaccaaga	720
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gcacctcagg	aagctggagg	ctgagagact	tcgaagaatg	cttggaagg	atgaggatga	960
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taaagatgac	aggcgtttgc	tttcctacaa	agatggaaag	atgaatgtcg	aggaagatgt	1080
ccaggaagag	caaagcaagg	aagccagtga	ccctgagagc	aacgaggaag	aaggtgacag	1140
ttcaggcggg	gaggacacag	aggagagcga	cagcccagat	agccacttgg	acctggaatc	1200
caacgtggag	agtgaaggaa	aaaacgagaa	gccagcaaaa	gagcagaggc	agactcctgg	1260
gaaaggggtg	ataagcggca	aggaaagagc	tggaaaagct	accagagacg	agctgcccta	1320
cacgttcgca	gcccctgaat	cctatgagga	actgagatct	ctgttggttag	gaagatcgat	1380
ggaagagcag	cttttggtgg	tggagagaat	tcagaagtgc	aaccaccgca	gtctcgagca	1440
aggaaacaaa	gcaaaattag	aaaaactgtt	tggctttctt	ttggaatacg	ttggcgattt	1500
ggctacagat	gaccaccag	acctcacagt	cattgataag	ttggttggtc	acttatatca	1560
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gatgcagtga	atggaagaaa	tgattgagac	caaaggccgg	gcggcattgc	cagggttgga	1680
tgtgctcatt	tatttgaaaa	tactgggct	gctatttcca	acttccgact	tctggcacc	1740
agtggtgacc	cctgccctcg	tgtgcctcag	tcagctgctc	accaagtgcc	ccatcctgtc	1800
cctccaggac	gtggtgaaag	gcctgttcgt	gtgctgcctg	ttcctggagt	atgtggcttt	1860
gtcccagagg	tttatacctg	agcttattaa	ttttcttctt	gggattcttt	acatagcaac	1920
tccaaacaaa	gcaagccaag	gttccactct	ggtgcacctt	ttcagagcgc	ttgggaagaa	1980
ctcggaactg	ctcgtgggtg	ctgctagaga	ggatgtggcc	acgtggcagc	agagcagcct	2040
ctccctccgc	tgggcgagta	gactgagggc	cccaacttcg	acagaggcca	atcacatccg	2100
actgtcctgc	ctggctgtgg	gcctggccct	gctgaagcgc	tgcgtgctca	tgtacgggtc	2160
cctgccatcc	ttccacgcca	tcattggggc	tctccgagcc	ctcctcacgg	atcacctggc	2220
ggactgcagc	caccgcgagg	agctccagga	gctgtgtcag	agcacactga	ccgaaatgga	2280
aagccagaag	cagctctgcc	ggccgctgac	ctgtgagaag	agcaagcctg	tcccactgaa	2340
gcttttcaca	ccccggctgg	tcaaagtcct	cgagtttgga	agaaaacaag	gcagtagtaa	2400
ggaggaacag	gaaaggaaga	ggctgatcca	caaacacaag	cgtgaattta	aaggggccgt	2460
tcgagaaatc	cgcaaggaca	atcagttcct	ggcgaggatg	caactctcag	aaatcatgga	2520
acgggatgcg	gaaagaaaagc	ggaaagtaaa	gcagcttttt	aacagcctgg	ctacacagga	2580
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aggcaaggaa	ctggacatta	cctcacatct	gcaattccaa	ccctctgggtc	tcgaattccc	2700
gacctcaggt	aatccacctg	ccttggcccc	ccaattatag	gtgtgagcca	cagcaccag	2760
ccaaaaaagt	aatttttttt	agagtaataa	tgctataatg	ttggtgtgat	tccaacctcc	2820
agctcccccc	accctgtgcc	tgcggttttg	aacgtcacct	gatgaaatag		2880
aatgaatcct	gaaatgcacc	tctgggatcg	ggaatggtct	gtgtgttatc	agctgcgact	2940
ggttcactgc	gtctggacaa	gcctcatggg	gactggggat	tctggccagt	gtaatttctg	3000
tcaaccacgg	acgtttgcct	tcattgtgtg	aattttactgt	tgttatgcaa	attatatttt	3060
caattataaa	tgaaaa					3076

<210> 4556  
 <211> 1225  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(1122)  
 <223> similar to gi3924667 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4556

agccgcgtgg	ggcccgccacc	tctgggcagc	agcggcagcc	gagactcacg	gtcaagctaa	60
ggcgaagagt	gggtggctga	agccatacta	ttttatagaa	ttaatggaaa	gcagaaaaga	120
catcacaac	caagaagaac	tttggaat	gaagcctagg	agaaatttag	aagaagacga	180
ttatttgcat	aaggacacgg	gagagaccag	catgctaaaa	agacctgtgc	ttttgcattt	240
gcaccaaaca	gcccattgctg	atgaatttga	ctgcccttca	gaacttcagc	acacacagga	300
actctttcca	cagtggcact	tgccaattaa	aatagctgct	attatagcat	ctctgacttt	360
tctttacact	cttctgaggg	aagtaattca	cccttttagca	acttcccatc	aacaatattt	420
ttataaaatt	ccaatcctgg	tcatcaacaa	agtcttgcca	atggtttcca	tcactctctt	480
ggcattgggt	tacctgccag	gtgtgatagc	agcaattgtc	caacttcata	atggaaccaa	540
gtataagaag	tttccacatt	ggttgataa	gtggatgtta	acaagaaagc	agtttgggct	600
tctcagtttc	ttttttgctg	tactgcatgc	aatttatagt	ctgtcttacc	caatgaggcg	660
atcctacaga	tacaagttgc	taaactgggc	atatcaacag	gtccaacaaa	ataaagaaga	720
tgccctggatt	gagcatgatg	tttggaat	ggagatttat	gtgtctctgg	gaattgtggg	780
attggcaata	ctggctctgt	tggtgtgac	atctattcca	tctgtgagtg	actctttgac	840
atggagagaa	tttactata	ttcagagcaa	gctaggaatt	gtttcccttc	tactgggcac	900
aatacacgca	ttgatttttg	cctggaataa	gtggatagat	ataaaacaat	ttgtatggta	960
tacacctcca	acttttatga	tagctgtttt	ccttccaatt	gttgtctga	tattttaaag	1020
catactattc	ctgccatgct	tgaggaagaa	gatactgaag	attagacatg	gttggaaga	1080
cgtcacaaa	attaacaaaa	ctgagatatg	ttcccagttg	tagaattact	gtttacacac	1140
atttttgttc	aatattgata	tattttatca	ccaacatttc	aagtttgtat	ttgttaataa	1200
aatgattatt	caaggaaaaa	aaaaa				1225

<210> 4557  
 <211> 1165  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(288)  
 <223> similar to gi5052204 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4557

ggcacgagag	aactatggtt	cctggggaca	aagcttcttt	gaaggggtctt	ttcagaaaat	60
ccccgctaaa	cgaattggtg	ttcctgagga	ggtctcctct	gtggtctgct	tcctactgtc	120
tcctgcagct	tccttcatca	ctggacagtc	ggtggatgtg	gatgggggcc	ggagtctcta	180
tactcactcg	tatgaggtag	cagatcatga	caactggccc	aagggagcag	gggacctttc	240
tggtgtcaaa	aagatgaagg	agacctttta	ggagaaagct	aagctctgag	ctgaggaaac	300
aaggtgtcct	ccatccccca	gtgccttcac	atcttgagga	tatgcttctg	tactttttta	360
aagcttatag	ttggtatgga	aaacattttt	cttattttta	agtgttatta	attatatcta	420
tggaaaaact	attcctgaaa	tatatacagt	cttatgtccc	aatcagagtc	ttttaaccta	480
tgatttaaaa	atgtataagt	aacagaaaatt	aacatatttt	aatgacttta	cttttttatt	540
ctaagaaaag	tatttgaaaa	atggaataat	tttaaatcaa	tgataattct	agggatcatg	600
aactcccaga	agatttttatt	atttaattgt	aaaggtagag	gccagacgca	gtggctcacg	660
cctgtaattc	cagcactttt	ggaggccgag	gtaggcgggt	cagttgaggt	caggagtcca	720
agaccaggct	ggccaacatg	gtaaaaccct	gtctctactg	aaaaacaaca	aaaacaaaaa	780
cacaaattag	tcgggtgtgg	tggcacacac	ctgtgggtccc	gggtacttgg	gaggctgagg	840
caggaggatc	gcttgaaccc	cgggaagcgg	aggttgacgt	gagctgagat	catgctactg	900
cagtccagcc	tgggctacag	agttagactg	catctcaaaa	aaaaacccaa	aaaacaaaaa	960
caaacaacaa	caacaaaatt	ataaaggtag	aaaataaacc	taaattgtgt	cggtaattaa	1020
gattattaaa	attagaatta	tacaatgact	tatttttggg	ggcaaatact	ttaggagcaa	1080
taatgcctta	tggtaattat	tgatgtatag	tttcttttgt	ttatgaagtc	aaatttgtat	1140
aaattctctt	aattcaaaaa	aaaaa				1165

<210> 4558

<211> 1289

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (261)...(734)

<223> similar to gil049369 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4558

ggcacgaggc	gattagcgcc	aacagctcag	agaaaacgtg	acgaaaacca	gtctgtaaaa	60
cccagacctg	ggagaggggc	ttcgtgctgc	ggggggaatt	tgcagacgct	ccctgctggc	120
ggagatttcc	tgacctgtcc	ttcggcgagg	gactttcggc	gggtcccggc	cgggcagacc	180
caagtgccgg	cggcgaggag	tgacgtggag	ccagtaccgg	ctgtagtggc	cggggccgtg	240
gcgggagagt	catgtcagag	ccgcagccgc	ggggcgacga	gcgcgatctc	taccgggaca	300
cgtgggtgcg	atacctgggc	tatgccaatg	aggtgggcga	ggctttccgc	tctcttgtgc	360
cagcggcggt	ggtgtggctg	agctatggcg	tggccagctc	ctacgtgctg	gcggatgcc	420
ttgacaaaag	caagaaggct	ggagaggtgc	ccagccctga	agcaggccgc	agcgccaggg	480
tgaccgtggc	tgtggtggac	acctttgtat	ggcaggctct	agcctctgtg	gccattccgg	540
gcttcacat	caaccgcgtg	tgtgctgcct	ctctctatgt	cctgggcact	gccaccgct	600
ggccccctgg	tgtccgcaag	tggaccacca	ccgcgcttgg	gctgttgacc	atccccatca	660
ttatccaccc	cattgacagg	tgggtggatt	tcctcctgga	ctccagcctg	cgcaagctct	720
acccaacagt	ggggaagccc	agctcctcct	gatcatactc	tggtacctgg	cctgtgcac	780



ggcctcctgc	ttcatgtcaa	cctcctactc	ctgccagggg	atgtggacac	ctggctccct	840
ggtgtccaaa	gaccctggca	cctgggtggg	tttgagctgg	acagaagctt	agagacaaa	900
gcttcaagaa	gcagtggctg	cagggagtca	cagaagggca	ggacctgaac	gctgtctgct	960
tccctggaat	ccaagatgct	gagtggaa	ggaccctggg	tgggcccggc	cctgtctttt	1020
tcaggaaaat	tacatcctcc	catggaggat	gagagactga	ggctcagggg	gggcaaggaa	1080
taggccaag	atcacttggc	aagctgggca	cccaggaccc	ccaggtgctt	gacagagtca	1140
ccccatggtg	gtatggctga	acaaggagcg	gcagacaact	cagggagaaa	ctcaggagt	1200
cagtaccagg	gacacctcag	gacagattct	ctggccaggg	ccttcctctga	cccaataaat	1260
cctgaagagg	tgaaaaaaga	aaaaaaaaa				1289

<210> 4559

<211> 2076

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(553)

<223> similar to gi3292902 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4559

ggcaatattg	tcattccagaa	gaaaaaatat	aacaaacaac	atattattcc	cctggaaaat	60
gtcactattg	attccatcaa	agatgaggga	gacttaagga	atggatggct	aatcaagaca	120
ccaactaaat	cttttgcagt	ttatgtgcc	actgtacgg	agaaatcaga	atggatgaat	180
catataaata	aattgtgtac	tgatttactc	tccaaaagtg	ggaagacacc	cagtaatgaa	240
catgtcgtg	tctgggttcc	tgactctgag	gcaactgtat	gtatgcgttg	tcagaaagca	300
aaattcacac	ctgttaatcg	tcgccaccat	tgccgcaaat	gtggttttgt	tgtctgtggg	360
ccctgctctg	aaaagagatt	tcttcttccc	agccagtcct	ctaagcctgt	gcggatttgt	420
gacttctgct	atgacctgct	ttctgctggg	gacatggcca	catgccagcc	tgctagatca	480
gactcttaca	gccagtcatt	gaagtctcct	ttaaatagata	tgtctgatga	tgatgacgat	540
gatgatagca	gtgactaagg	acacatttgg	gagtatttaa	tcaggtgtgg	ctatctgaga	600
aatcaacttt	gggggaaatg	taagattctg	agctctctct	ctgttttgtt	ctagccatga	660
atgtgcctga	gaaacttgta	acctatgtgc	ctcaatatat	tccatagaaa	gtaggtcccc	720
ctgccttctc	ccactcctca	cactcttcta	cagggatagg	cttttgcaaa	tatatcagat	780
aaattttttg	tttctgtgtt	attttttaggt	tattttcttg	gaagggtggg	aaaagatggt	840
tgttttaaca	ggtcatgtac	tacgttggtg	ttttcatttc	tgttataagt	aaaactaaaa	900
gcacagaatg	gtgggaaaag	ggctataatg	tggttcatta	ataatgttag	cagctttttt	960
ctaaccatcc	tgtctaattg	ttaagacacc	agtaacaaaa	acacatgatt	tggaaatact	1020
ttggcttttt	catataccta	gtgggtgcct	atcataatag	cactgtttaca	tgaaataagc	1080
ccctaccttc	ttactttctg	gtttgttgaa	aaaatacact	ggtgctcttt	gaagtataaa	1140
aatgagtgtt	tatgaatggg	tgtaattagg	aaatacttct	catctgacag	ctacaaataa	1200
ctaagtttgg	aggtattttc	actctatatg	aataaatatt	tttccataaa	atagttgtga	1260
ttatatTTTT	gttttatata	ggtcccaaat	tataattgtc	aaatatatat	tttaaattaa	1320
taaaagttgt	cattcttagg	aatttggttt	gaaatttatc	agttatacag	aattgtcata	1380
ctgcattagc	ttctaccttt	agtaagacat	attttttagg	tataaattct	tatgctttta	1440
cattattttc	ggattgaaaa	tcttataaaa	cccttgaaaa	taaacagtct	cttttttaca	1500
aagcctgtgt	tagagcacag	atttacctag	gcttgaagat	ttggaagaaa	taatatgtaa	1560
gaatggcctc	aaggcagacc	actttaagtt	tggttagact	tcatatcgtg	gaagtattgt	1620
ctattttcagt	gtgaaactat	cttgaatttg	caaatatagt	gttatatttt	ataaagtttt	1680

gtaaaatccc	aaacaatatt	tctatTTTTg	taaaacaatt	gtatgtataa	tctgtatttg	1740
aaatcatttt	gcaatctatg	gaaatagagt	agcaattgct	atttctaaat	tgtgaacttt	1800
aagtcaatct	agattttattt	tgagaagtaa	ttgttcactc	tttacttttg	aggcagccat	1860
taggttgaaa	gtatatattt	atcatataaa	acttgatgcy	ttttgcacta	ctctttccat	1920
ttatatgctg	caaacaacta	cagtctttga	aatatggaaa	atcagcagtc	taaagtttgt	1980
tttaaattct	aaatttataa	aatcttcaaa	tctgaatata	ccgcaaagt	catgagaagt	2040
ttgattcagt	aacttgatg	ggaggattct	ttggtt			2076

<210> 4560

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (205)...(655)

<223> similar to gi4972714 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4560

ggcacgaggg	agacccttat	gtttgaaaaa	gattgtgcc	ctaaactaaa	ggagaagcag	60
ctctttaaga	tatttccagc	cattaaccaa	aatgagaatg	tcacatctca	tactggccag	120
aagtctaaag	agaaaaagcc	aaagaaatta	aaagagactg	aagaaacacc	aagtgaactg	180
tctttccagg	actttgagta	cccagactat	gatgactaca	gagcagaggc	tttccttcac	240
caacagaaga	ggatggagt	ctacagcaag	gccaaagaag	cttatcgat	agggaaaaaa	300
aatgtcgcca	ccttttatgc	ccagcagggt	actcttcag	agcagaagat	gaaagaagcc	360
aatcaccttg	ctgccataga	gatctttgag	aaagtcaatg	cttcgctgct	gccacagaat	420
gttttagacc	tccatgggct	gcatgtggat	gaagctctag	aacatttgat	gagagtttta	480
gagaagaaga	ctgaagaatt	taagcagaac	ggtgggaagc	cctatttgc	tgtgattacg	540
gggagaggaa	accacagcca	gggaggagt	gctcgcatca	aaccagctgt	cattaagtac	600
ctcataagcc	atagcttcag	gttctctgaa	attaaaccag	ggtgcttgaa	agtcagtcta	660
aagtaaaata	aacatccttg	aattagaagt	atgaagggtt	gtagggttaa	attactttta	720
tttgcagtaa	ttcagtcaat	tctaccctaa	agatgtgttt	tattataaat	aatattcaat	780
tatgaaacaa	aaaaattatg	atgtttttca	aaatgcaagt	gaggtttgat	tttttactga	840
atcaaataca	aatgttacct	gttaaagata	ttacagagaa	attttattga	ttacaaaata	900
tgtaagaaaa	ttatcagcta	cagtttttaa	gttttaaaatg	ctctgattgt	ttctcgagaa	960
aagggttacct	ttgtattaat	tgttgtatga	catttagtaa	tgtcctaaaa	gtctttttgtg	1020
agagggtattt	aaagtgcctt	gagacctgat	tcattggcccc	caaaggggtg	tattaaaaga	1080
ggaaaaagga	catagtagtg	gtag				1104

<210> 4561

<211> 1525

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (304)...(668)  
 <223> similar to gi4240213 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4561

aggtcccggg	tcgacgattt	cgtcgcgttg	gctgggtggc	ctccattgtc	gggctgctgc	60
tctcagcggc	ggggctcgcc	agcgcttcag	tgggcgggga	cgcggcaggt	gactccagac	120
caaggaggat	gagctgctgt	ccctggaaga	gaacggatgg	agggaagcag	ctcctacgaa	180
gttccctctg	tggctgctgc	tgatctggag	gaggggtgctg	gtcagactag	gagcttgcc	240
gccacccccct	ccaaagatgt	tcacaagggt	gttggaggca	tcattctttc	ctcctcaccg	300
atttttagact	tgagtgaag	tggctgtgtg	cgtttgagg	aggtcttttag	aatccccagc	360
cttcaacaat	tgcattctgca	aaggaatgcc	ctgtgtgtga	ttcctcaaga	tttctttcag	420
ttgcttccga	acctgacttg	gctggacctc	cggtacaata	gaattaaagc	gcttccttct	480
gggattggag	ctcaccagca	tttgaaaact	ttgcttttag	aaagaaatcc	tatcaaaatg	540
ttacctgtgg	agctggggag	cgtaaccacg	ctgaaagcac	tgaacctaa	gaactgcct	600
ctggaattcc	ctcctcagct	cgttgtgcag	aagggattgg	tggctatcca	gcgcttcctg	660
cggtatgtgg	cagtagaaca	ctctctcccc	agaaatccaa	cttctcaaga	ggctccaccg	720
gttagagaga	tgacctctcg	tgacctcccc	agcccaggac	tggagtgtgc	tggagaccac	780
gcgtctaacc	aaggagctgt	gaacgctcag	gacctcagag	gggctgtgat	gaaagagaag	840
gccagctttc	tccgcctgt	ggaaaagcca	gacctgagt	aactcaggaa	gtctgcggac	900
tcctcagaga	actggcccag	cgaggaggag	atcaggcgct	tttggaaagc	gaggcaggag	960
attgttgagc	acgtgaaggc	agacgttctg	ggagatcagc	tcttgacgag	ggaattacct	1020
ccaaatctca	aggcggcctt	gaacattgag	aaagaactac	caaagccaag	acacgttttc	1080
agaaggaaga	cagcctctc	caggagcatc	ttaccgcacc	tcttgtcacc	gtaccaaagt	1140
gcgatccgag	caaaaagact	ggaagagagc	cgagcggcgg	cgctccgaga	gctccaggag	1200
aagcaggctc	tgatggagca	gcagagacga	gagaaaaggg	caactgcagga	gtggagagag	1260
cgagcccaga	ggatgaggaa	gaggaaggaa	gagctcagca	aactcctgcc	tccgcggagg	1320
agcatggtgg	catcaaagat	tccctctgcc	acagatctga	tagataacag	gaaagtacca	1380
ctgaatccgc	ctggaaaaat	gaaaccaagc	aaagagaaat	cgccacaagc	aagtaaagaa	1440
atgagtgtccc	tgcaggagag	aaatttagaa	gagaagataa	aacagcacgt	cctccaaatg	1500
cgtgagcaaaa	gaagattcca	tggcc				1525

<210> 4562  
 <211> 840  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (11)...(572)  
 <223> similar to gi5911866 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4562

ggcacgagca	gctgtcagta	gtgtttctcag	tacaggtgta	ccaacagtac	cgttattgcc	60
accacaagta	aaccagtccc	tcacttctgt	gccaccaatg	aatccagcta	ctacattacc	120

aggtctgatg	cctttaccag	caggactgcc	caacctcccc	aacctcaacc	tcaacctccc	180
agcaccacac	attatgccag	gggttggtt	accagaactt	gtaaacccag	gtctgccacc	240
tcttccttcc	atgcctcccc	gaaacttacc	tggcattgca	cctctcccc	tgccatccga	300
gttcctcccc	tcattcccct	tggttccaga	gagctcttct	gcagcaagct	caggagagct	360
gctgtcttcc	ctcccgccca	ccagcaacgc	accctctgac	cctgccacaa	ctactgcaaa	420
ggcagacgct	gcctcctcac	tcactgtgga	tgtgacgccc	cccactgcca	aggcccccac	480
caccgttgag	gacagagtcg	gcgactccac	cccagtcagc	gagaagcctg	tttctgcggc	540
tgtggatgcc	aatgcttctg	agtcacctta	actttgaacc	attctttgga	attggcgtgg	600
tatatttaac	cacgggagcg	tgtctggaaa	cgcaaactat	cattaatttc	atactagttt	660
gtaccgtatc	tgtaggcatc	ctgtaaataa	ttccaagggg	aaaactaaac	gaggacgtgg	720
gttgtatcct	gccaggttga	gtggggctca	cacgctaggg	tgagatgtca	gaaagcgctt	780
gtattttaaa	caaccaaaaa	gaattgtaag	ggtggcctgc	tgccaggctt	gcactgcctt	840

<210> 4563

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (63)...(206)

<223> similar to gi687891 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4563

ggcacgagac	agatttcaac	ccagatgata	caatgtctgt	cgaagatcca	cagactgatg	60
ttttggactc	cacagccttt	atgcgtact	accatgtgtt	tcgagaagg	gagctctgca	120
gtctgctcaa	ggagaatgtg	tcagagctcc	gtatcctgag	ttctgggaat	gatcatggta	180
actggtgtat	cattgcagag	aaaaagagag	gttgtgattg	attggatcct	tttagacaac	240
tcctccaaaa	gatgaaccac	attcttttct	cttggtttga	gatggttacc	tgaatttgca	300
ttcagtgtta	tttggttaatc	catttacgct	ttggtctgca	gagactatta	attatttggn	360
tgttttgggt	tcatttttga	ataagcacag	attct			395

<210> 4564

<211> 3113

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (378)...(764)

<223> similar to gi4200442 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4564

ccacgcgtgc	gctgaggcag	gagaatcgct	tgaacccagg	aggcggaggt	tacagtgagc	60
caagattgcg	ccattgcact	ccagcctagg	gaacaagagt	gaaactccgt	ctcaaaaaac	120
aaaaacaaaa	gaaataatgt	cagttttgaa	taattaat	atattgaacc	ctcaagtaaa	180
atattcatct	gtttgacttg	taccagaaag	tttcaaatta	tgtttaagtt	catgggtaat	240
ttgacttctt	tttgtctaaa	tgaatagaaa	ttattttatc	gtgtacagtg	gaccaatgaa	300
tcacaacggt	ctccagtcct	aggcaagctg	gtgactttct	gctcttttcc	cacagcggga	360
cgaccctggg	acagtctcca	ctggggcaga	tccagctgac	catccggcac	agctcgacga	420
gaaacaagct	tatcgtggtc	gtgcatgcct	gcagaaacct	cattgccttc	tctgaagacg	480
gctctgaccc	ctatgtccgc	atgtattttat	taccagacaa	gaggcgggtca	ggaaggagga	540
aaacacacgt	gtcaaagaaa	acattaaatc	cagtgtttga	tcaaagcttt	gatttcagtg	600
tttcgttacc	agaagtgcag	aggagaacgc	tcgacgttgc	cgtgaagaac	agcggcggct	660
tctgtccaa	agacaaaggg	ctccttgcca	aagtattggt	tgctctggca	tctgaagaac	720
ttgccaaagg	ctggaccag	tggtatgacc	tcacggaaga	tgggacgagg	cctcaggcga	780
tgacatagcc	gcagcaggca	ggaggcgctc	tcttcagcgt	agctctccac	ctctaccggg	840
aacacaccct	ctcacagacg	taccaatgtt	atttttataa	tttcatggat	ttagttatac	900
ataccttaat	agttttataa	aattgttgac	atttcaggca	aatttgcca	atattatcat	960
tgaattttct	gtgttggtt	tctctagga	tttcgccagt	tcctacaacg	tgtagtaggg	1020
cggcggttagc	tcttgtgtct	gtggactctg	ctcagctgtg	tccgtaggag	tcggatgtgt	1080
ctgtgcttta	ttatggcctt	gtttatatat	cactgaggta	tactatgcca	tgtaaataga	1140
ctatttttta	taatctttac	atgctgggtt	aaattcagaa	ggaaatagat	caaggaaata	1200
tatatatttt	cttctaaaac	ttattaaatt	cgtgtgacaa	ataatcattt	tcatcttggc	1260
agcaaaaagt	tctcagtgc	ctattttgtg	gtgtttcttt	ttgaaaagaa	aagctgaaat	1320
attattaaat	gttagtatgt	ttctgcccatt	tatgaaagat	gaaataaagt	attcaaaata	1380
ttaacatttt	cataaatata	aggatgtatt	attgagaagt	aagttgaagg	gcttataagg	1440
aaaaatgttt	tataactgag	taatatatta	agagaattgt	catggttcat	aaatcacatt	1500
gtgctaactc	gaaatttctt	acataaaaat	gaagtgtctt	atgtttattt	taattgtgtg	1560
tgtaacttac	tcatgaaaca	gtatacagac	acctgttact	tttctcaac	tgtaagagca	1620
gactttcaat	gttagcaatt	aagctgttgt	caaacaatca	gtcatgagct	ttgttaattt	1680
tcaatgtttt	cccagcctat	aaaaaaagga	aggtagacgt	tgctctttta	aagggtgtga	1740
ggtagattgg	agttagtaga	caggatattg	cattaaaaat	tgaaagctcg	atctgattat	1800
tgtaggaac	ccccagtggt	acctcacaca	taggatgtgg	gacctttgag	ccgatgtgca	1860
ctggccacca	ccagggttgg	gggcgccaca	gctgcgagcc	cggcccttgc	tgctctcagc	1920
agccacttcc	caggctgcct	cactttatgc	catgactgac	cttaatatgt	ggatattgtt	1980
atgcaatttt	tatcctgttt	agactgttaa	aagcagggtt	ctgtacttaa	gagtccecca	2040
gacctcctgt	gagggtgaggc	tctgttgacg	tgtagtaggc	tggtgtgtgtc	tgtaagaaa	2100
gaatgcacat	atgtagacga	ttaagtgtat	attataagct	atatgctgaa	aatggcttcc	2160
atagccatga	gaacatctta	aaactatgtg	taaatatatt	aaggaaagta	tagctttgtg	2220
atttaaattg	gagcttttag	cttgtttcat	ggaactatac	aacttgtggg	taactcacat	2280
gaccaaaca	accaaagtgc	ctgtgacggg	gcgggtggcg	tctaccacc	ctcccttcta	2340
gcagattctt	attttgtttg	aattttataa	caaggctggt	ggctgtctac	ccaccctccc	2400
ttctagcaga	ttttgatttt	gtttcaattt	ataacttaca	ctttgaacca	tgggtttact	2460
tataatggag	tctgtagctt	cacagcatat	ttcatgtaat	cataaagacc	agtatattct	2520
ctcctgctga	atgacatgcg	actgtaaagc	ctctttataa	accatttcca	atgttagtat	2580
ataggattat	ttgggaagcg	tatcaatacc	tttatagaca	aatacgaaca	tgtagcaca	2640
caaaacattt	aactatggtg	tttatggaag	acaggtaaca	acattaaatc	tagttgcttt	2700
cccttagtat	taagtattgtt	gagggttttt	taaaaatcag	gtctgttgaa	agtcttctgt	2760
cataatctat	aaagcagcag	cactcatgga	atgttagca	tgccagtaat	ttttaccaac	2820
atcccataca	tctgagttct	gcagtccagt	gtgtaatccg	ctccatgtgt	attttgctta	2880
atggaatgct	ttatttaagc	acttaggcag	agtagacaca	attaaaggta	caaagcccag	2940
aggaagtggg	agagcagcac	cgtgcctgcc	ctgaggcagt	ggagtcagta	gcgctgtccc	3000

```
cagggccttg agtgcctgga ggtgcttggc ctccagtagc tgccctccatt ctctttttaa 3060
aaaagggggg gattctgagg cactgaagtg cctcccagat gtggaggagt gaa 3113
```

```
<210> 4565
<211> 817
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (10)...(698)
<223> similar to gi2997692 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4565
acgcgtccgg gcatggttga taacatgacc aaacttgtgc tagtaaatgc catctatttc 60
aagggaaact ggaaggataa attcatgaaa gaagccacga cgaatgcacc attcagattg 120
aataagaaaag acagaaaaac tgtgaaaatg atgtatcaga agaaaaaatt tgcatatggc 180
tacatcgagg accttaagtg ccgtgtgctg gaactgcctt accaaggcga ggagctcagc 240
atggtcatcc tgctgccgga tgacattgag gacgagtcca cgggcctgaa gaagattgag 300
gaacagttga ctttggaaaa gttgcatgag tggactaaac ctgagaatct cgatttcatt 360
gaagttaatg tcagcttgcc caggttcaaa ctggaagaga gttacactct caactccgac 420
ctcgcccgcc taggtgtgca ggatctcttt aacagtagca aggctgatct gtctggcatg 480
tcaggagcca gagatatatt tatatcaaaa attgtccaca agtcatttgt ggaagtgaat 540
gaagagggaa cagaggcggc agctgccaca gcaggcatcg caactttctg catgttgatg 600
cccgaagaaa atttcactgc cgaccatcca ttccttttct ttattcggca taattcctca 660
ggtagcatcc tattcttggg gagattttct tccccttaga agaaagagac tgtagcaata 720
caaaaatcaa gcttagtgct ttattacctg agtttttaat agagccaata tgttttatat 780
cttttccaat aaaacccctg ttcagacaaa aaaaaaa 817
```

```
<210> 4566
<211> 803
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (806)...(573)
<223> similar to gill196814 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4566
tttttttttt ttgatttggg aattaaagt tatttgaaca caaaatactt tctctgtcta 60
```

taaaattggc	tgtagcagt	agcagcagca	tgtcctggcc	aaggggagta	gatttctcca	120
gactactaaa	gccatgtata	tagccattcc	cacttcccat	attctgtgga	tatgtacatg	180
tgcatggtag	ctagagtccc	tccaccagga	gtatctctct	catggatggg	ttcttcaggg	240
agaggaagag	gagacctggg	gtgaagagct	gggatgggtt	tgaagtgggg	caaagccatt	300
aggcttgtag	cttgaaagcc	ccagtctctc	tgggaatagc	ttgtactgcc	agggtgtcctc	360
tgaggccctt	tctctgtact	ctgtcctgct	tgaggggaat	gggggtattt	gggactccca	420
taggaaaggc	acttagccta	agtcacccaa	tgactgcttg	gtccccactg	aagcagtgtg	480
gctctccata	gtatttttgg	tggttatgga	ttacatgtgt	ggccagctca	tgctttttct	540
tgagcagggg	ctgtccatga	cctgtgctca	taccatgctt	tctaagttct	ctttggacag	600
ggcctcagct	gctgcctcag	cctgagtttc	agagagtgtg	taggagtcct	ggtaatcttg	660
aagcagtttg	accacctcca	gatggttgaa	ctgcacagca	tcatccaggg	gaatgttgcc	720
ccacctgtcc	ttggcaaaa	gattcacttt	gcaagcctcg	atcaggaatt	taacaacttc	780
gatgtgtcct	tcagctgcag	caa				803

<210> 4567

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(918)

<223> similar to gi3659694 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4567

ctggagacgg	gctgatgcac	gaggtgggtga	acgggctcat	ggagcggcct	gactgggaga	60
ccgccatcca	gaagcccctg	tgtagcctcc	cagcaggctc	tggcaacgcg	ctggcagctt	120
ccttgaacca	ttatgctggc	tatgagcagg	tcaccaatga	agacctcctg	accaactgca	180
cgtatttgct	gtgcgcggg	ctgctgtcac	ccatgaacct	gctgtctctg	cacacggctt	240
cggggctgcg	cctcttctct	gtgctcagcc	tggcctgggg	cttcattgct	gatgtggacc	300
tagagagtga	gaagtatcgg	cgtctggggg	agatgcgctt	cactctgggc	accttcctgc	360
gtctggcagc	cctgcgcacc	taccgcggcc	gactggccta	cctccctgta	ggaagagtgg	420
gttccaagac	acctgcctcc	cccgttgtgg	tccagcaggg	cccggtagat	gcacaccttg	480
tgccactgga	ggagccagtg	ccctctcact	ggacagtggg	gcccgcagag	gactttgtgc	540
tagtcctggc	actgctgcac	tgcacctgg	gcagtgcgat	gtttgctgca	cccatggggc	600
gctgtgcagc	tggcgtcatg	catctgttct	acgtgcgggc	gggagtgtct	cgtgccatgc	660
tgtctgcgct	cttcctggcc	atggagaagg	gcaggcataat	ggagtatgaa	tgcccctact	720
tggatatacgt	gcccgtggtc	gccttcgcgt	tggagcccaa	ggatgggaaa	ggtgtgtttg	780
cagtggatgg	ggaattgatg	gttagcgagg	ccgtgcaggg	ccaggtgcac	ccaaactact	840
tctggatggg	cagcggttgc	gtggagcccc	cgccagctg	gaagccccag	cagatgccac	900
cgcagaaga	gcccttatga	cccctgggcc	gcgctgtgcc	ttagtgtcta	cttgaggac	960
ccttctctct	tccctagggc	tgcaggccct	gtccacagct	cctgtggggg	tggaggagac	1020
tccctctgga	gaagggtgag	aagggtggagg	ctatgctttg	gggggacagg	ccagaatgaa	1080
gtcctgggtc	agggaaacca	gctggctggg	ccagctgcc	tatgtaaggc	cttctagttt	1140
gttttgagac	ccccacccca	cgaaccaa	ccaaataaag	tgacattccc	aaaaaaaaaa	1200

<210> 4568  
 <211> 919  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (920)...(346)  
 <223> similar to gill113125 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4568

tttttttttt	cagccataac	tattttat	aactacttcc	ccaaggatgt	ggaccttaca	60
cttactttac	agccagcctc	agaaaacttc	ctagtggcaa	ctaaggctag	agcagctgta	120
gagtgggtctg	gaggggggctc	ttccattctc	acacgtgtgt	gcatgaaccc	tttctcctat	180
cctaaaggcc	cttcgggaag	aagctctagc	tggttgatga	gagcaagggt	tgggggcccgc	240
tacacttcgg	cagtgcagt	ttgggaaggt	gagaacacag	ttctaaagaa	caagaattgt	300
tgagtctgag	gaatatggg	tctggacccc	cagcacatcc	ccttcatagg	tctccatggg	360
ttgggagagc	agggtcaccc	tcatttttgt	tgcaggattc	acttgcagt	tgaatttcaa	420
ttgtgctggc	atcagaacct	tcagacagca	tgctcagggc	ttcgtcagaa	gtctgcccac	480
ccacttgaga	caccttccc	gaagcaggg	tttcatggg	catcagtggg	gatgggtgag	540
ccccctcagc	agccgagggt	gtcagtgt	cccactggat	ctccttctctg	ggagactgaa	600
aacccaggct	gcatcctgtc	cagccgtaga	aggccaaaga	caagagaaat	ccctgggctg	660
gattcaggat	tcccataata	aacatgtgg	tcttgggtgc	agttctgaca	ggtttcaaag	720
aacctccatt	gatattctgt	tgcattctca	gatagaataa	aaggctttca	ttgatgat	780
tcgacaacca	acaaataatt	aaaaccagca	tgattttgaa	aaatcgatc	ttgatcacgg	840
ctcccatcct	cctctcgttc	tccgtgtaaa	tgccttgtct	tcctttaagt	aaagaggcca	900
ctgcagtcac	tgtcttttg					919

<210> 4569  
 <211> 1420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (185)...(867)  
 <223> similar to gi791040 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4569

tcattgggtcat	aatcctgacc	ctgagccagt	gccagggtctc	caagtgcctt	ctgaatgacc	60
acaggcgatt	ggtttttagtg	gtagggtgtgt	ggggatctgt	tctgggtcatc	tggatgctgg	120
tcattcgggtgt	gcagtattga	tcaggacctg	caaaccctaaa	agcttatggg	agctggcacg	180
tcacaaaaag	aaaaaaacca	agcccatcat	cttcgttttcg	gacagagcaa	acagcaacaa	240
ggagctgggt	gtggaccagg	agtcagagga	gggcaaaggc	aaaacaagcc	ctgataagca	300



aaagcagtc	ccacagccac	agcctggcag	ctctgatcag	gaaagtgagg	aacagcaaca	360
attccggaac	atthttcaagc	agatagcagg	agatgacatg	gagatctgtg	cagatgagct	420
caagaagggtc	cttaacacag	tcgtgaacaa	acacaaggac	ctgaagacac	acgggttcac	480
actggagtcc	tgccgtagca	tgattgctgt	catggatata	gatggctctg	gaaagctcaa	540
cctgcaggag	ttccaccacc	tctggaacaa	gattaaggcc	tggcagaaaa	ttttcaaaca	600
ctatgacaca	gaccagtcg	gcaccatcaa	cagctacgag	atgcaaatg	cagtcaacga	660
cgcaggattc	cacctcaaca	accagctcta	tgacatcatt	accatgcggt	acgcagacaa	720
acacatgaac	atcgactttg	acagtttcat	ctgctgcttc	gttaggctgg	agggcatggt	780
cagagctttt	catgcatttg	acaaggatgg	agatggatc	atcaagctca	acgttctgga	840
gtggctgcag	ctcaccatgt	atgcctgaac	caggctggcc	tcattccaaag	ccatgcagga	900
tcactcagga	tttcagtttc	accctctatt	tcctaaagcca	tttacctcaa	aggaccacgc	960
agctacacc	ctacaggctt	ccaggcacct	catcagtcct	gttctctctc	cattttacc	1020
cctaccatc	cttgatcggt	catgcctagc	ctgaccttt	agtaaagcaa	tgaggtagga	1080
agaacaaacc	ctgtccctt	tgccatgtgg	aggaaagtgc	ctgctctggt	tccgagccgc	1140
ctcgggtctg	aagcgagtgc	tcctgcttac	cttgctctag	gctgtctgca	gaagcacctg	1200
ccgggtggc	tcagcacctc	cttggtctag	agccctccat	caccttcacg	ctgtcccacc	1260
atggggccagg	aaccaaacca	gcactgggtt	ctactgctgt	ggggtaaact	aactcagtgg	1320
aatagggctg	gttacttttg	gctgtccaac	tcataagttt	ggctgcattt	tgaaaaaagc	1380
tgatctaaat	aaaggcatgt	gtatggctgg	aaaaaaaaa			1420

<210> 4570

<211> 1684

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (51)...(751)

<223> similar to gi5123952 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4570

tttcgtggga	ggacgtggga	tggtggcgga	gctggctgca	gcagagctac	caagcagtca	60
aagagaagtc	ctctgaagcc	ttggagtta	tgaagcggga	cctgacggag	tttaccacag	120
tggtgcagca	tgacacggcc	tgtaccatcg	cagccacggc	cagcgtggtc	aaggagaagc	180
tggtctacgga	aggctcctca	ggagcaacag	agaagatgaa	gaaaggggta	tctgacttcc	240
taggggtgat	ctcagacacc	tttgccctt	cgccagacaa	aaccatcgac	tgcatgtca	300
tcaccctgat	gggcacaccg	tctggcacag	ctgagcccta	tgatggcacc	aaggctcgcc	360
tctatagcct	gcagtcggac	ccagcaacct	actgtaatga	accagatggg	cccccggaat	420
tgtttgacgc	ctggctttcc	cagttctgct	tggaggagaa	gaagggggag	atctcagagc	480
tccttgtagg	cagccctcc	atccgggccc	tctacaccaa	gatggttcca	gcagctgttt	540
cccattcaga	attctggcat	cggtatttct	ataaagtcca	tcagttagag	caggagcagg	600
cccgaggga	cgccctgaag	cagcggggcg	aacagagcat	ctctgaagag	cccggtggg	660
aggaggagga	agaggagctc	atgggcattt	cacccatc	tcctaaagag	gcaaaggttc	720
ctgtggccaa	aatttctaca	ttccctgaag	gagaacctgg	ccccagagc	ccctgtgaag	780
agaatctggg	gacttcagtt	gagccccag	cagaggtgac	tccatcagag	agcagtgaga	840
gcattctcct	cgtgacacag	atcgccaacc	cggccactgc	acctgaggca	cgagtgtac	900
ccaaggacct	gtcccaaaag	ctgctagagg	cactcctgga	ggaacagggc	ctggctgtgg	960
atgtgggtga	gactggaccc	tcaccccta	ttcactccaa	gcccctaacg	cctgctggcc	1020
acaccggcgg	cccagagccc	aggcctccag	ccagagtaga	gactctgagg	gaggaggcgc	1080

ccacagactt	acgggtgttt	gagctgaact	cggatagtgg	gaagtctaca	ccctccaaca	1140
atggaaagaa	aggctcaagc	acggacatca	gtgaggactg	ggagaaagac	tttgacttgg	1200
acatgactga	agaggagggtg	cagatggcac	tttccaaagt	ggatgcctcc	ggggagggtga	1260
gtgggcctgg	tgggtcagag	ggaagcgagc	ctaattgtcc	tgggtgtgag	agctctcccc	1320
agccagccca	gctgtccctt	caggagggtc	cctgctcctg	tctgagggtga	cagggtggtgg	1380
gaaaggagct	ggagcttcct	gctcagaccc	acaacattgg	tcatcagcag	gctgcacttt	1440
tcctcagttc	cagggtggat	agagggtcaa	gttcttgacc	ttagctctgt	atcaaaattg	1500
cctgagaaac	tgcttaagaa	aacagatgtc	atgctgagcg	cgggtggctca	cacctgtaat	1560
cccaacactt	tgggaggcca	aggtgggagg	attgcttgag	gcgaggagtt	caagaccagc	1620
ctggccaata	tagtgagacc	ccatttctgt	ttttgaaaaa	aaaaaaaaag	gggcggccct	1680
ttag						1684

<210> 4571

<211> 3652

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3653)...(1207)

<223> similar to gi5360115 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4571

ttttttttga	cataatcatt	tttatttgat	ttaattgata	aataaataca	agagaactgt	60
tgtgaaacca	cttggcaata	tagtaaaattt	taaagatttt	atttcaactt	cactcactta	120
tatttcttgg	gaatggggat	atatacatta	ttcaccaata	aatcgctaata	gctttaaatt	180
tacaattacc	ctattttag	aaacctgaaa	gatcattcca	attaaatgaa	aaaaaaattg	240
tacaaaaacg	ttcttttgct	cttacaattc	aaaatacatt	caaattcaca	ttcttaccag	300
cagccaaaac	ctttaacccta	aaattcagaa	actgcagtcc	tacaagtga	caaactagt	360
ttttaattta	attatcatga	ttgttggtta	cactgaaaaa	aaaacatgat	ggctcctgaa	420
acaagacagg	ttagcaactg	gtacagcttt	cccttctggg	cactcaaagc	tttgcccttg	480
attattattt	ttatttcatc	ttttcaaaca	cagacaattg	ctccaacttg	aaagtttcaa	540
tggaattttg	gcatttaata	ttgctaattg	ttgctaagat	ttaagatctc	ccaatgatga	600
gaatcagaaa	atgacgcacg	actaaattaa	aatcatccta	aaagacttac	tacatagtgg	660
tatctggtat	tcaatatcaa	tagtggtttt	gaattacatg	atatgttttt	cacaaacata	720
gcacctcatc	aaatatctgg	taaacacttt	gcaatcacaa	taagtgttgg	gagaccaagt	780
tccaaagaca	attatgtgat	tcacttaaag	gtaacattgt	aagacaagtc	tcaggcataa	840
tgaagattag	gaatgcagtc	tgctggttcc	catgatctaa	agggatgctc	acctatatgg	900
gcaccatcct	attaagacgt	ggtaatatgt	ttccaaacca	aaaaaagtcg	gtaagtgtta	960
aaatggactc	ctgctttata	aatgatctgt	taaatgtact	tgtaaaatta	aaaaaatttc	1020
caaaatgtca	aaagagatat	gattattgta	tctccattat	tcccaagtaa	ttctgttaaa	1080
aagatactaa	atgaagtcca	attttatctt	gtaaagtttt	agtgtaaaaa	ctaatgtact	1140
gaaattcagt	aaagtttaac	tttcatctaa	atgtaacgaa	acaactattc	attttggtga	1200
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<210> 4572

<211> 6639

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(6417)

<223> similar to gi2224547 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<210> 4573  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (645)...(183)  
 <223> similar to gi2576345 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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cagacattcg tcactatcat ctgagtcctc tctcagcaaa gccaaagggt ctgatacttt      180
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ccacttggtc caaactgtct aagcccaggt ctttcataaa atgagaattt actgaaagct      360
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ctaacgtcaa aggaggcatg tcgctatact ggcggcacaa ctgtgttaact ctaccaggaa      480
cctgcgcgag cactaaggcc ggctgcaaag tcccagacct cgtctgggtc cccgcggagc      540
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<210> 4574  
 <211> 1972  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1973)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1931)...(250)  
 <223> similar to gi790585 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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ccaccattc tgggacaatt ctggcagcag cttttagttt ggattctttt gttttgggat      360
  
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gatcctgata	taggtttgaa	agactgtttg	gatcttgact	gagagcttga	tactggctcc	540
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tagcaatgac	attgaagaac	atatcattct	cttgaggatt	cgtctttata	acactgtgat	1920
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<210> 4575

<211> 1892

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (85)...(642)

<223> similar to gi256994 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4575

cttggttgaa	cccccccgag	gttggatccc	gatttggagg	ggcgacccaa	gcgtccggat	60
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tgtatacact	acatccgatg	ccttttgga	accttatttg	ttcaciaagt	ttctgcagga	180
cacacacctt	tgaaaaattt	gataatgagt	tggtcccttt	actggggatt	tacttcttgg	240
attgcctact	acatttatcg	tccactatat	acaccacat	catttggaaa	caggcaaatc	300
acagtatctg	ctatcaattt	tctgatttgt	gaagctggga	atcatttcat	caatgtaatg	360
ttgtctcatc	ccaatcacac	aggaaacaat	gcctgtttcc	caagtccaaa	ttataacccc	420
ttcacatgga	tgtttttcc	ggtttcatgt	cctaactaca	cctatgagat	tggtatcatg	480
attagtttca	cagtcattgac	acaaacactg	ccagttggaa	tttttacact	tctgatgagt	540
atccagatgt	ctttgtgggc	acaaaagaaa	cataagattt	atctgagaaa	attcaattca	600

tatattcata	gaaaatcagc	aatgattcca	ttcatattgt	aaaaaaagaa	tcttatctcc	660
tatagaaaac	agcaacatat	aaattcaata	aataagactt	agttaaggat	agttaactat	720
tatactccaa	caattcatga	gcaacagtat	atacactgag	taaaaatata	aaatagtaaa	780
atttcactaa	atttatagaa	atgcacatgg	taataaaaag	tataaattat	aaatgcaatt	840
aactaagaac	agctctgaat	gtatttgcac	gggattggtc	cttgaataaa	attgtcttac	900
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ctacagagag	ccatgattaa	accaaggcac	tccagcctgg	gtgacagagt	gagactgtct	1440
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cactgctggg	gggaatgtaa	actaaagcag	ccatgtggag	aacaacatgg	agtttcttca	1560
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acacaataga	atactatgca	gccataaaaa	ccgaattcct	gtcattcagg	acaacatgga	1800
tgggaattgga	gggcatatgt	taagtgaaac	aagccaggaa	cagaaagtta	aacattgcat	1860
gttattactt	atatgtggaa	gctaaaaaaa	tt			1892

<210> 4576

<211> 3511

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2169)

<223> similar to gi4760778 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4576

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ctatcatgac	aacagcttcc	gcatcgcaag	catcaagccc	gtcataagtg	agactcccct	180
ccccgttgac	ctctaccgct	atgatgagat	ttctggcaag	gtggaacact	ttggttaagtt	240
tggagtcac	tattatgaca	tcaaccagat	catcaccact	gccgtgatga	ccctcagcaa	300
acacttcgac	acccatgggc	ggatcaagga	ggtcacgtat	gagatgttcc	ggtcctcat	360
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ggggccctat	gccaatacca	cgaagtacac	ctatgactac	gatggggacg	ggcagctcca	480
gagcgtggcc	gtcaatgacc	gcccagacctg	gcgctacagc	tatgacctta	atgggaatct	540
ccacttactg	aaccagggca	acagtgtgcg	cctcatgccc	ttgcgctatg	acctccggga	600
tcggaatacc	agactcgggg	atgtgcagta	caaaattgac	gacgatgggt	atctgtgcca	660
gagaggggtct	gacatcttcg	aatacaattc	caagggcctc	ctaacaagag	cctacaacaa	720
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cagttacagg	gtgtagtctg	tttagattcc	gtagtctcgt	ggtatcagtt	tcggtagagg	3120
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tgttttatata	taaataaagt	ctctaaaact	c			3511

<210> 4577

<211> 2218

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2217) ... (1616)

<223> similar to gi3878571 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4577

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cacctacagc	ctggccaaga	acccttttct	ctcccacatt	cccctgggag	cagaggatag	180
gcctgatgat	tgttttaaac	agtagaaagg	gttcagctaa	gaactacagt	ccactctcag	240
ccctgtcatg	tactatagga	caagtcttca	ttcacacaac	atggatagca	acaccaatct	300
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acaagcattc	atttagagtc	atgtgcaagg	cactgtgcta	agagatggga	aaatactaca	660
taaatacaaa	attctgctga	aaactaactt	attggcagag	ttccaaataa	tgaaacggat	720
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gtatttcact	tcaacgtggg	cagccaagtt	ttataatttg	gcaatagtgt	aaagaagcgt	900
gaagagaaaa	ggaagaggag	gaagagcttc	agtctttgta	tctcccaggg	ttataatata	960
aaactgaaca	tcaaataagc	cacccccacc	ccttataactt	atgattttatt	atttcttaaa	1020
gagcgtataa	tacattgtgg	gagaagggta	gaagattcat	ttttcctgct	cactcaacta	1080
cacactcaaa	agtgaagcc	ctcttccttg	aaaagtgcct	gtcttagaaa	agtttaacaa	1140
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agttcttaaa	ataactttat	aaatatataa	tatagtaaca	tagataacca	aagtggaaaa	1260
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cagcaagttc	tctcttgctc	aggcattctg	tatgtaaggc	caggaggctt	ctgcttcttt	1440
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agaagaagga	cctggctgag	atagtggagt	caggcttatc	accacttca	ctggcttgta	2160
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<210> 4578

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(94)

<223> similar to gi4929679 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4578

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cctaccattg	cacagatgaa	cagccctcca	gggaggagca	cgggttcagg	tacatgtggc	180
acctgccctc	cctggctgcc	ctttcactgc	tgactccata	cagggaaagt	tttttatcct	240
cagccacgag	ttctcccatg	ggcttccttc	ccaagccccc	tagagggaac	acaactgcag	300
aggatgtgaa	actgcatgcg	tgaagtaaat	tacaaagaac	actgagctga	tgggtggatc	360
gggcttcctg	cggctgccac	catctgaaat	aatctaagtt	gagcatcatg	gagcataact	420
atcgcaaggc	ccaggcattt	tccacactac	agatgatagc	cagtgtgact		470

<210> 4579

<211> 4623

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4624)...(1222)

<223> similar to gi3327142 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4579

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cgcccatccc	ccttgaaaca	agggtgtctg	acggaccaca	cccataagcg	gctctccgca	180
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gaagttgagg	tccgggggga	aggtgcgag	caggtcgagg	atgtagtggc	gcccgtcggt	3480
gccaatgatg	cccttgcact	cgaccgagga	gcagagctcc	acctcctcgt	cacggctcgt	3540
gagcacctgg	tgcgcagga	tcttgagggg	ccgactcgctg	cgctccagca	gctccaggta	3600
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gacgccattc	aggtcggttg	tgggcgccac	gtaggccgcc	acgtcccccc	cgaagtcctt	3840
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gtctcgggtc	tgtccaggaa	tgtgctcctc	atagcccagc	ctcgagggtgt	aggcgtcctc	4140
tgcacgcacg	caatccatgg	catgctccgc	ctggggggct	gtccagctgt	acacctggaa	4200
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gttcttcttg	aaggctgggc	tgatctgggt	gagcagctcc	actagggaat	ggcttaggaa	4320
cggggggctg	gcgggcttgg	ggttgaagtg	ataagctgtg	gactgattca	ggtaaaagcc	4380
ccgtgtggag	gcggtgatgc	tgacttgccg	gtcctcggtc	gtgatcaca	acaggtagat	4440
gaggtccccg	gggtcccttc	gggtcccccg	gggcgggttc	catccgctca	tggtagatc	4500
tttcaggcac	tgcaagggct	tccagtcacg	gttttggggc	tgcaggggac	acagtggccg	4560
ctcccggctc	cctggcagga	tgtactcggg	tgggtgtgcag	tcgatggggg	ccatctccaa	4620
gcc						4623

<210> 4580  
 <211> 2121  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2124)...(102)  
 <223> similar to gi2230873 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4580
tttttttttt ttaaggttct caagaatttt attataaaac agaacaatga cacaatataa      60
gcttacacat taatatattac attatattca aaatatatta cagctttaat ttatgaacag      120
aaatatacctg tcttttcttc tttttctttt ctgttttctt tgcatacattg atttgcattt      180
ttacttgatc ttgtaattta gaaaagaatg cttgagagga ctttaaggcc ttgtctttac      240
cttcacccctt tatgaaggaa gctttgccag ttttggtcag ctgttttaac ttctccgaag      300
ctactgtttt gctgtatttc cctgcttgat ctacactgct cttttcaagc agttttctcc      360
gcttctcctt ctcttttatt ttcatacgtt tttgatattt ctttttcctt cgctctcggt      420
tcttgctctgt agctgttttt tcagcagctg tttttatata tccagcttta tttttctcct      480
tgatctcttc tggggccagg agagctgcat cactaacact cactggggct acttctctca      540
tggttatggc tggcagattt gacacaactt taatctctgg tacaggcggt ttagggataa      600
agtggaaagt tgagagggca tccaatttta agaagagggg atccatcatc ttctgaattt      660
ctacatgttc tggattttct tcttctgctg ttttttctg gttgagtttg atgtactcct      720
gttcataaat ttcagcaagg ctcaattttc tcttctcatg gtctaagggt aaacgccttt      780
tatattcata ttgactcctt ttaggttttt ctttactgac tacatcatcc caagcctgat      840
ctcttatcct ctgtttaatg atatcttcca tttgaagggt ggtttcctct gtaatcacag      900
gtgccatccg gacagcatgg tcaaagtgtg gggctctctc caggaggctg ttctctggcc      960
tcttctgtgc tgtcacttcc cctgaagct gccacggctt tttttctaac aactcttttt     1020
ctaaagatgc aattttttca ttcacttttt cctgtctttt ttcaaaggag gatttaactt     1080
catcagaatt tttctttaca tttaaaacac ctgtatcttc agtttccgca tcatctggta     1140
aagcaaaggc cactcttttc aagctttctt tatgttggtt attgtcttca tttcttgaa     1200
ggcatcatc ttcacccgtt tccgaaatac ttagttcttc tgcttcttct tcagcaattt     1260
catcatcttc tttgtttgaa tccagctcat catcatgaac atttgttatg tcttcatcac     1320
tttcaactgg atcaaaaaaa tctttgtatt tcagatttct ggaactttta cctgacttaa     1380
gttttttact tccaaacagt ccccttcat cttcatcaga atcaatatct tcaaaaaaat     1440
caatatcttc ctctcctca tcatcattat catcttttct ttcctcttct ttttctatgt     1500
tttctaaata ggctccatt tcagagagtt tgaagaattt atcatctact atggactttt     1560
ctcttggttt tccctgtcct ttgttttgca ccttgctctg ctgttccaat ttgctgatat     1620
caaagtcaag gtcagaatcc tcatcactga aaacggggct tttcctcaga tcagatttgc     1680
ttgagttttc agctctctca cccatttcag gatcatcatt acccatgtcg gacacttctt     1740
cctcctctaa atcttctagg tctccttgt catcagcctc tatctctgaa ccactctctt     1800
cacgttcttg ttcttcactc tctgggagaa gactgatata ttcatcatta attgtttcac     1860
taactgcatt ctggaagtat tgtaaaattg gttcattttg cgattccagt tgttgccaaa     1920
tctgtcatc atcaaaattt gctatcaca gttttttgca ggggcttcca tggatcttac     1980
cattctctaa tattttatta aagtcataaa gcacttttgt taaagaagtg aactttgatg     2040
ccaatccctc ttgaatcgtg aggaagcact cgggcccagc cgtggctttg ccgacttccg     2100
tcagacaccg ctccagggtc c

```

```

<210> 4581
<211> 1070
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(810)
<223> similar to gi3256185 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4581
cctgatctca cggcggttgg gcacatatat gaggagctga agaggaaagg ggttgaattt      60
cccatggcag acttggaacgc tctgtctccc atacacacac cacagcggag tgtccctgaa    120
gtggatccag ctgcgaccat gcccaggtcc caatcacagc agaggacaag tgctgggttcc    180
tattactcgc cgcctcctgc tccctactcc gcaccgcaag ccccgactct gagtgtgact     240
ggccccatca cagccaattc agaacagatt gccaggctgc ggagtgaact ggacgtcgtt     300
cgaggaaaca caaaagtcag gtctgagatg ttaacagaaa tgggcccttg acaggaggat     360
tcatctgata tggagttgct gcaggagctc aacaggacct gtcggggccat gcagcagcgc    420
atcgtggagc tcatctcccg cgtgtccaat gaggaggtca ccgaggagct gctgcatgtg     480
aacgatgacc tcaacaacgt cttccttcga tacgagaggt tcgaacgata caggctctggc     540
cgatccgttc aaaatgccag taatggagta ctgaatgaag taaccgaaga caacttaata     600
gacctggggc cagggctctcc agccgtgggtg agcccaatgg tggggaacac agcgcccca     660
tcttcctctc cctcccagct tgcaggctta gacttgggga cagagagcgt cagtggcacc     720
ctcagttcac tccagcaatg taatccccgt gacggctttg acatgtttgc ccagacgaga     780
ggaaaactcct tgggtgagca gcgcaagacg tatgtggggc cccttttagt ggctctctaa     840
agatattggg gggattgacc catgcctggt cacaggccag cacaaaaagg catttattta     900
ccatgtccag gactgccagg aacttttaaag catggctgta aggacttggc attagatgca     960
gatactgaat aaataccaac tgcccacctc ctccccacc ccccaaaca cacacacact    1020
ctcctgccct tggggttgat tggagtgtga tttctcctgt cagttgtaag    1070

```

```

<210> 4582
<211> 1231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(1158)
<223> similar to gi3462503 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4582
tttccgggtc gaccacgcg tccgccagga gaaggaagcc aacaggatcc gacccggtgt      60

```

tttgtgacaa	aggcaagacc	cccaggtcta	cttagagcaa	agttagtaga	ggaggcagct	120
aggcgtggct	ctcattccct	cccacagaat	ggattataag	tcgagcctga	tccaggatgg	180
gaatcccatg	gagaacttgg	agaagcagct	gatctgccct	atctgcctgg	agatgtttac	240
caagccagtg	gtcatcttgc	cgtgccagca	caacctgtgc	cggaaagtgtg	ccaatgacat	300
cttccaggct	gcaaattccct	actggaccag	ccggggcagc	tcagtgtcca	tgtctggagg	360
ccgtttccgc	tgccccacct	gccgccacga	ggtgatcatg	gatcgtcacg	gagtgtacgg	420
cctgcagagg	aacctgctgg	tggagaacat	catcgacatc	tacaaacagg	agtgtctccag	480
tcggccgctg	cagaagggca	gtcaccccat	gtgcaaggag	cacgaagatg	agaaaatcaa	540
catctactgt	ctcacgtgtg	aggtgcccac	ctgctccatg	tgcaagggtg	ttgggatcca	600
caaggcctgc	gaggtggccc	cattgcagag	tgtcttccag	ggacaaaaga	ctgaactgaa	660
taactgtatc	tccatgctgg	tggcggggaa	tgaccgtgtg	cagaccatca	tcactcagct	720
ggaggattcc	cgtcgagtga	ccaaggagaa	cagtcaccag	gtaaaggaag	agctgagcca	780
gaagtttgac	acgttggtatg	ccatcctgga	tgagaagaaa	agtgagttgc	tcagcgggat	840
cacgcaggag	caggagaaaa	agcttagctt	catcgaggcc	ctcatccagc	agtaccagga	900
gcagctggac	aagtccacaa	agctggtgga	aactgccatc	cagtccctgg	acgagcctgg	960
gggagccacc	ttcctcttga	ctgccaagca	actcatcaaa	agcattgtgg	aagcttccaa	1020
gggctgccag	ctggggaaga	cagagcaggg	ctttgagaac	atggacttct	ttactttgga	1080
tttagagcac	atagcagacg	ccctgagagc	cattgacttt	gggacagatg	aggaagagga	1140
agaattcatt	gaagaagaag	atcaggaaga	ggaagagtcc	acagaaggga	aggaagaagg	1200
acaccagtta	ggagctggat	gaatgagagg	c			1231

<210> 4583

<211> 1680

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(534)

<223> similar to gi4337174 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4583

aaatggtgct	tctggatgga	ggttgtgagt	cttcctgcta	tgtgagtgc	atcacacgta	60
cgtggccagt	caatggcagg	ttcaccgcac	ctcaggcaga	actctatgaa	gccgttctag	120
agatccaaag	agattgtttg	gccctctgct	tccctgggac	aagcttggag	aacatctaca	180
gcatgatgct	gaccctgata	ggacagaagc	ttaaagactt	ggggatcatg	agaacatta	240
aggaaaataa	tgccctcaag	gctgctcgaa	aatactgtcc	tcatcatgtt	ggccactacc	300
tcgggatgga	tgtccatgac	actccagaca	tgccccgttc	cctccctctg	cagcctggga	360
tggtaatcac	aattgagccc	ggcatttata	ttccagagga	tgacaaagat	gccccagaga	420
agtttcgggg	tcttggtgta	cgaattgagg	atgatgtagt	ggtgactcag	gactcacctc	480
tcaccccttc	tgcagactgt	cccaaagaga	tgaatgacat	tgaacagata	tcagccagg	540
cttccttgacc	ttcactgcgg	cccacatgca	cctcaggttc	aaaatgggtg	tcttctggca	600
gccctgcacg	tgtgctttct	gagtgtctct	gtgtgtgcat	taatatatgc	attccatttg	660
gggcatagc	agctgtgtga	atgtatgtaa	ttgtgtgtgg	ggggtttttt	gttttaagta	720
gttagaagtc	tgggaaaatg	aatttttgaa	tagtatgtta	ctgcagcttt	ggtaacatta	780
attctataga	attaatgac	agagcaagtt	taatttttaa	acataaaggt	cttggttaca	840
catgtccatg	cattccagtt	aacacattta	aacatataga	aaattcactt	cttctttcaa	900
gtccttccct	ttctatactt	ttgctgagat	caacccaata	tcataagaag	tttgtgtgat	960
gcctgtattt	ttagctaatt	accaaggtct	ctgcctatgc	aaaaattcat	ctttcgggtga	1020

ttgtggg	ccaatac	ccttctg	ctcctcc	cctattct	atcctgc	1080
tctactg	ccatatg	cctcaggg	actgggt	tgcagtct	ctagtcag	1140
acagtc	ttccagc	actagct	taccaaa	aacacttc	agcttttc	1200
gccattt	tgccctg	ctggaaa	tttagatt	tgataaa	ggaaatg	1260
gagaaag	attatat	tataact	agatccag	atcaggg	ggcgcac	1320
ttccgc	agtccc	ctttggg	tccaggc	tggtatct	gagaccag	1380
ggtcaag	ggcctgg	gcgtggg	aacactgt	ctgctgaa	tgcaaaa	1440
agctggg	gatgata	gcctgtg	ctggctac	ggggggc	ggcatga	1500
ttgcttg	ctggggg	gaggttg	tgagctg	tcatgcg	gcaactcc	1560
ctgggtg	gagcaag	ctgcctc	aaaacaa	aataaata	atcctgac	1620
cctgccat	tttctct	atttaa	gatttct	tgatgac	aaaaatta	1680

<210> 4584

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1599)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1598)...(1059)

<223> similar to gi4572464 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4584

agccagg	gggggtg	aagcca	ctggag	ggattgg	gcacttt	60
acatgct	ccttat	cgccca	tccaggg	cagactct	gacaggg	120
tgaaggg	aatgcat	ttcctca	ccaagc	ttttgtg	ggaaacg	180
gaaagg	tttagtc	gaaatc	gagatc	cacgttg	tccacta	240
cctcaga	tttactg	ttgtcct	tccatca	tttctcc	agagagc	300
atgaggg	ggagaat	cagcaa	tgggggg	ggggggg	acaagtt	360
gtactct	tccagca	tcacatt	tttaa	aaaattt	ttaattt	420
ctttggg	gtacaag	tttacag	gaaaa	caagtga	cgaggcc	480
aacctgg	aaggga	ctgcttg	acaa	ataa	catttct	540
ttcttc	ggtctg	cagcccc	actcc	agaggc	gagctca	600
ctggga	agccc	cggccct	cccc	ggcagg	tccggag	660
ctggtg	ctggctt	ctggctt	ggtcgg	aatgtga	ggaggga	720
ccttctt	ccctgct	ctggctg	tgggct	gcgctgt	acagggt	780
cagtgg	ggcagcg	gggaat	tgggtag	caacagc	tgggta	840
tgaacac	gaccttt	ctgtctg	ttgctc	aagtcata	gccacct	900
gttcttg	gaagccc	ggcctgg	ctaggag	agtggct	gggccc	960
cctttgg	catccgt	ccctggg	taagtgg	tcagctg	gcccctc	1020
cagagct	tacagag	gttgctg	gccctag	tcagtag	tgatctc	1080
caggcag	caggggg	gctcggc	gccagg	gcgagct	gggcctc	1140
ctccagg	agctgct	gctcctg	tagctgc	ttgcg	acatctg	1200
gtagttg	tgca	tctggta	gatcac	tccttct	cctgcc	1260



cagccgctcc	ccctcaaagc	tgtcccgtg	ctcctaccc	cgccgccgt	cccgtgcag	1320
ctccacccgc	aatcgctcca	cctgggccc	caagctgcc	ccaaccccg	ntgctgccc	1380
ctgcactttg	gcctcatcac	tctctgccag	gaggaatggg	tcagcgggtg	caggtggcac	1440
agggggctcc	cggagtccgg	ccgcctcagc	atccaactgc	ccagctttct	cccgcagctg	1500
ctcagcttcc	tggcggtgtc	gctgcagctc	ctgggaacag	gcttccagct	ccagctccc	1560
agctcgggcg	gcctcctgta	gaccccgccg	acggccct			1598

<210> 4585

<211> 2148

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (237)...(789)

<223> similar to gi2734081 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4585

ggcacgagtg	aacctcaaat	tgatggaaag	gtcatgtcat	agtgaaggta	aacctgattc	60
actattgcct	ggtaatgtca	gatatagtta	taaatgaagt	cagtttcatt	gaaagttaaa	120
tgaaggtag	gaaaaataat	gatgcttatt	tactagacaa	gaacaaaatt	aatatggatt	180
gtttcattag	ctgtttcttt	aaaaagatgt	taaccaccct	catgttttca	cattcaggta	240
tccttagtct	gttggagcat	ggagaagagt	acacattttc	tctaccctgt	gcatatgtc	300
ggtcaatttt	gactgttcct	tgggtagaac	tgggtggcaa	agtcagtgtc	aactgtgcaa	360
aaactggata	ttcagccagc	atcacttttc	ataccaagcc	attttatggt	ggcaaactgc	420
atcgggttac	agctgaagta	aagcacaaca	tcaccaacac	tgtggtatgc	agagtgcag	480
gggaatggaa	tagtgttctt	gagttcacat	atagcaatgg	agagacaaag	tatgtggact	540
tgactaaatt	ggcagtgcag	aagaaaagag	tgagacctct	ggagaagcag	gatccatttg	600
aatccaggcg	attgtggaaa	aatgtgacag	actcgctgag	agaatctgaa	attgataagg	660
ccacagagca	taagcatacc	ctggaagaac	gtcagaggac	tgaagaaagg	catcgtactg	720
aaacaggcac	accttggaag	accaaattatt	ttattaaaga	gggagatggc	tgggtttatc	780
ataaaccact	ttggaaaata	attccaacaa	cacaaccagc	agagtgcac	atactatcta	840
aaactcgacc	aaatgaggtt	cttctctgtt	taccctaaat	cctcccagaa	tggagtcatt	900
gcactgagtg	acctgcttcc	tgattgcgca	gactgaaact	agctaaacct	gaatgtacct	960
actagggcac	cataatactg	cagcaagacc	aaagtggtaa	agaaacacag	tggacctttt	1020
accaacctgt	tcatgtgatg	tgagcaatac	catcttaaaa	cttggtacct	gaatcagtag	1080
atgaatcttt	tatecagttc	ttgctcctaa	agttaagttt	gaatccccta	tttttgcaca	1140
ggggcagcag	atacacacaa	caatgagaac	tcagtgactt	tgatttcttt	gtagtgaata	1200
gtgaagtctc	cgtttcagag	tttgtgtctt	tctttctgtc	cataactgaa	gtattcacta	1260
ctcttgtaaa	ccaaccaaga	ggaggagaaa	gatgaccagg	aagtggattc	agccattgtg	1320
cctgaaatca	gtgtttaaaa	aaaaaaatca	accaggttgt	ggttaacaagg	cattctatct	1380
cttcaaaaag	actgtatgcc	tgtgtctgag	gaacttacct	attatccacc	tctgttggaa	1440
ctctctttta	aaaagtacat	ttatagattg	atcagaatta	taaccatgga	gaattttttc	1500
ttctgagcat	tttaatatat	ttgaaaacaa	cattgacttg	aaaaatttca	gaacattttt	1560
cagtacacct	ttttattaaa	tattacactt	gagagacact	ttttaaaaat	gtgttaatgt	1620
caatatgatg	agatttttagc	ctttctccag	aactaaggca	ttaaagaaaa	tagcaaatat	1680
taaaaaataa	aactgttact	ttttctcttc	tttcttttca	ccttttaggtt	aatatccagt	1740
attatgtgtt	atcccttttg	ataagtatgc	tttattttac	ctctgttaaa	aattaaaaata	1800
aatgattcta	ttcatatttg	tcagtaattc	aaaacttata	tgtgtaactg	aacgcgcagt	1860

taaggatatgg	ttttatztat	ttatTTTTTT	TTTTTggggg	aaattttaaat	gctaaaaaac	1920
caccaaaatg	aaagggatc	aggaaaaaaa	aatcaggaag	ttgttttcgg	gcccaaatct	1980
TTTTTTaaaa	aaaaatttgg	tgggggtgaa	aaaattgctg	gcatttaaaa	aaaaaaacct	2040
aataagggct	tccacatcc	attcatggta	tttattgagc	acctacttat	tatggtgctc	2100
caacacttgt	tactgcaagc	taccttaatt	tccaagagt	ggtgcctt		2148

<210> 4586

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(151)

<223> similar to gi2072963 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4586

attttgtatc	cagcaaaaatc	aaacttcata	tatgaaggaa	agatacagtc	tttttcagac	60
aaacaaatgt	tgagagaatt	tgctactacc	aagccactaa	aaggagctct	aaatcttcaa	120
acaaatcctg	gaaacacatc	aaaacagaac	ctctttgaag	cataaatctc	acaggaccta	180
tcaaacaaaa	atacaattta	aaaaacacaa	aaaaccaaaa	aaaatgtata	caggcaacaa	240
atagcatgat	gaatggaata	gtacctcata	tctcaatact	aacactgaat	taaatggcct	300
aaattctcca	cttgaaagtt	acagaattgc	agaatggata	agatttcaca	aactatatgc	360
tgccctcaag	ag					372

<210> 4587

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (439)...(373)

<223> similar to gi2465112 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4587

gtcaggagtt	tgagaccagc	ctgaccaaca	cggagcgaac	ctccatctca	aaaaaacaca	60
aaaaatcaaa	acaaaaaaaac	aaaaaaaaaac	cacaccaaaa	ccagaaaaca	cttgatttac	120
tgcacagtaa	atgcccatac	agcatgcatg	gtttctttta	gagtaagact	ttggttcaaa	180
tgtaagctca	gctattcaat	tgctgagtga	tcttgggtaa	gtcatttaat	tccaagtaag	240
atgagaatga	aaccatttcc	acctatggag	ggtgtgggta	agagtacaaa	tgataaatgt	300

aaagcaccaa	gcctaaatag	tcgctaaatt	gtagtttttc	ttagaattac	aaagaaactg	360
aaacacactt	acgattgggc	catctcccct	ttccaagtat	ggctgggtgg	taatatgaac	420
aattgcaggc	aggagatact	gtggaggggg	gaaagaatga	caaccttacg	cttagaagta	480
caatcttact	tagatactta	gtaattactg	aattaatgca	taaataggaa	agtgaaaaac	540
agaacttacc	actgctatat	acaggaagca	atacaaatt			579

<210> 4588

<211> 5203

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5205) ... (2744)

<223> similar to gi2055295 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4588

gtgctgccca	cgcagagccc	actttggctc	tctccacatc	tttagttttt	ccatcctcac	60
taattttacat	cactattttta	tttttttttt	aattaaacag	gaaagagcca	gactttctcag	120
aggtcagtct	gttcaacaag	tgggacccca	gggccttctg	tatgttcagc	aaagagagct	180
tgcagtgacc	tccccaaagg	atggctccat	ctccattctg	ggttctgatg	atgccactac	240
ttgtcacatt	gtggctctga	ggcacacagg	taatggggcc	acctgcttga	cacattgtga	300
cgaaccgac	accaaagctg	aggtcccctt	gatcatgaac	tccataaaat	ccttttctga	360
ccacgctcaa	tgtggaaggt	gagatctacg	ctgctctcat	aggctggaag	tacaccttgt	420
tggaggcttc	agtacgaca	ggcagttgtc	acaaaaactc	actcatcaac	ttcttagtga	480
atttgacagg	caagaagatg	acattcactt	agtgacatta	tgtgtgacag	aattaaatga	540
ccgggaagaa	aacgaaaacc	actttccagt	aatatatggc	attgctgtca	acattaagac	600
tgcagagatt	tacagagcat	cctttcaaga	tcggggtccg	gaggagcagc	ttcgtgctgc	660
gcgaacttta	gcaggaggac	caatgattag	catttatgat	gcagagacag	aacaacttcg	720
tataggaccg	tactcctgga	caccatttcc	acatgtggat	ttctggttgc	accaagatga	780
caagcaaata	ctagagaatc	tttccacttc	gcctctgggc	tgagccaccc	cactttgttg	840
aacatattag	atctaccttg	atgtttttta	aaaaacaccc	atctccagct	aacacactgt	900
ttcctggaaa	taaagcccta	ctctacaaaa	aaaatgaaga	tggcttgtgg	gaaaagatct	960
cttctccagg	aagttaaaaa	acatgaatta	caaagaaag	caccttcttg	gcctgacaga	1020
ccattggtgg	ggctggcacg	aatccagatc	tggatcctac	atctgttggg	tcttaggcct	1080
ccttccctcc	tcagtgtctt	tcaaagatg	actttcatca	aatgactttc	aaaataaaac	1140
cttatttttg	caaaggcatt	tgttgagact	tatttttttg	tttactaaaa	aattgatgtc	1200
cagttttttt	ttttggtcgg	taataacggg	cagaggagaa	cctacctctc	actggtctat	1260
cggcagctat	ttcaggtacg	tgggtaagtc	ttttgtaata	agattttata	actgaattca	1320
ctggtaacaa	tttcaagacc	ctttattgaa	cccaccattc	aaataatatc	tcaagggtga	1380
aatgtttcag	caaaaccaat	ttaacaattc	caaatatata	taaaaacatg	taattttctt	1440
gaaggtgata	atttaccctt	ccccattttt	atctgctata	cttcattgca	ccaaataggg	1500
aagactgttt	aatcatttgc	accaaaaaaa	aacccccctg	attttgacaa	gtgtaaatgt	1560
caaaaatccc	atcaaatcag	agtataatta	taggcttaat	atactataac	taaggcttcc	1620
aatactacag	tccagaaacc	cagtgtgaat	tttcccattt	tcaggctctc	caaaagcttg	1680
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atcagcgtga	gagagtgtct	tgctggctcc	tgtttctgag	ttgggccag	gcgagctgcc	1860
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cagggtgggtg	ctacgtagca	cacggaagag	caagctctta	agggtagcat	ctatcaggtt	1980
ttcagatact	aaacagaaat	gagcacagtc	tgtacttggtg	tgccaatttt	aaaagctttg	2040
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ataatgggag	aaatggcctt	gtggcagagg	acagtcacag	acagcagcct	tgccacagct	2160
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ttgaaattcg	aagtgttttt	tgtgaataaa	atgtgtttat	ggtaacttag	ggaaaagtcg	2520
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cctagaaaagc	ctacctttca	ggcacatatt	tgtgccaaaa	tcccagtgaa	gcacaaaaca	2640
cagtaattta	tattagtâtg	tggcacagtt	cacatttcca	atagaacttc	atcttccctg	2700
aaacaataact	cagtacagtc	tcaaaccaca	caatgagctc	catcttaagc	tctccggtcc	2760
ttctacctgt	gagtggctcat	cttctgggtg	tgggacctct	ttctggaagg	cctcggtctg	2820
gtcgggtgtgc	tgagggtctgg	gagccccctgg	gtgtccctca	gtgctgctgg	cctcgagggg	2880
gatctgctcc	ggcccactgg	ataggcgctc	caccttttct	aagtcttcaa	tatgactgac	2940
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tggaagcctc	tgcttggtgc	gactgcccga	gggcttgga	ggcagcgtga	ctcctgcacc	3060
ttgtgctttg	tagacatata	tgggttctgt	ggactccaga	gagcctgctg	tcaagttaaa	3120
agttcttccc	ttctgtaaag	cctggaccgg	agaaaaccaa	ttcagcacgg	agcccactac	3180
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cacttgagct	tcctgaatgc	ctttccgaac	cacttctgtc	atgttttcca	aaagcctcga	3300
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agtcaaggca	gggtcatcgt	gtttatacag	tgtcacccga	ggaacagctg	gcaaaccag	4200
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tgcatttgcg	acaagcaaca	ggggcagctc	tctctgctct	atatcatctt	taatcagttt	4440
ctccaggaag	gcaacatcca	tctgatgctg	ggatccaaac	acagtgttac	agggtacacg	4500
gcacaagcag	gggaagggca	agccgagctg	attacaaagg	tattggccca	ggccaggtct	4560
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tacgaagtct	tcatatcgag	aatgaatggc	aagcctacat	atcttttgca	gtccttctct	4680
ttcctcttcg	tggaaataag	cacacccatt	ttcatatctg	aaaattctgc	atagccataa	4740
ggtggtatct	gaaagtatcc	tagttgtaag	ttttctcagc	ttctctttgt	ccagagttga	4800
aatataagct	cccagactat	gtcccaacaa	agccatatga	ccttggttctc	caatattttg	4860
gattctgggg	ctctggggct	cctcatcttc	atctccatgc	atgagattct	gaactaactg	4920
gaggatgctc	accatatctt	gcccactgcc	ctggagtggtg	cctggaatat	ctccggatat	4980
gagcttcttt	ccatttttcc	cttctgttct	tctctgactg	tctccagca	tcttactgc	5040
ctcctcaag	ttttttccca	tttcagctaa	cgtggggtct	gctatcttct	ccagggacgc	5100
gtccatggct	gaggcgcccg	gtgggtggcct	ggcggtcccg	ggctctactt	cctcctcccg	5160
cgccccgcag	ctccttccac	gctggcagcg	ctgacgtccc	ccg		5203

<210> 4589  
 <211> 1117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(729)  
 <223> similar to gil397319 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4589

atttgagggc	aacgtgttta	tgtattatgg	actgtcta	ttctatcaa	accatcgctg	60
ttacgtgaaa	tctcgagatg	atagtcact	aaatggagat	tctagtgtt	tgcttaatcc	120
cagtaaggaa	tgtgaacctt	atcgaagaaa	tgaagacaaa	ccaattgctc	cttgtggagc	180
tattgccaac	agcatgttta	atgatacatt	agaattgttt	ctcattggca	atgattctta	240
tcctatacct	atcgctttga	aaaagaaaag	tattgcttgg	tggacagata	aaaatgtgaa	300
attcagaaat	ccccctggag	gagacaacct	ggaagaacga	tttaaaggta	caacaaagcc	360
tgtgaaactg	cttaaaccag	tttacctgct	ggattctgac	ccagataata	atggattcat	420
aaatgaggat	tttattgttt	ggatgcgtac	tgcagcatta	cctacttttc	gcaagttgta	480
tcgtcttata	gaaaggaaaa	gtgatttaca	tccaacatta	ccagctggcc	gatactcttt	540
gaatgtcaca	tacaattacc	ctgtacatta	ttttgatgga	cgaaaacgga	tgatcttgag	600
cactatttca	tgatggggag	gaaaaaatcc	atttttgggg	attgcttaca	tcgtctgttg	660
atccatctcc	ttccttctgg	gagttgtact	gctagtaatt	aatcataaat	atagaaacag	720
tagtaataca	gctgacatta	ccatttaatt	ttatattatg	aaagcaaata	atctgcatgt	780
gcatcaaggc	cagtcctatt	caacctagct	ttcgaatgct	gatattctgg	tagtatgtca	840
ttttgaaggg	ggcacataac	ttttctaaaa	aaaagcagtc	tttggtgttt	gcttcttccc	900
tacggatgac	ttctaaaaat	atatgacggg	tataaaaaaa	ttagctatat	tgatcatatc	960
aacactgtaa	ctgctgaaat	ggcattctaa	tgtttgcttt	ttattcggac	aggccacatg	1020
atgcatagag	cctctttcat	gtgacttggt	tctactgctt	aaatctttat	gctgtgttga	1080
tgatattata	ttgacatatg	aagctgtaaa	aaaaaaa			1117

<210> 4590  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (7)...(326)  
 <223> similar to gi2072963 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4590

ggaatattat	ttttaaacta	cagaaaatca	aagataaaga	agaaaaacct	tgaaagaatc	60
cagaagaaaa	atatatatat	ctttcctagc	aaagaacaaa	aaattatatc	tgacttctcc	120
cttagtactc	atgcaagaaa	agagtggagt	gacatgttta	cagtgttgag	agaaatagaa	180
caccaaacta	gaattctgta	ccctgtaaaa	atatccttca	aaagtggaag	agaaataaaa	240
acttttctca	acaaaaaatt	gaggaaattt	gtcgccagta	gacttgcctt	gcaagaaatg	300
ctaaaagaag	tctttcagag	agaaggaaaa	taacataggt	cagaaacttg	aacctatgta	360
aagaaaagaa						370

<210> 4591

<211> 1980

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1815)...(681)

<223> similar to gi3877204 in the genepept database release 114,  
Run with FASTXY 3.3t00; default parameters

<400> 4591

tctaggggaat	ttggccaccc	taggcagaaa	gtggtaataa	cacagtcagc	tcttgattgt	60
tctaataataa	tgccaatttt	gcatattatc	cacgtctttg	accagttctt	ctttcttctg	120
tggtttttct	tttagtcatt	acattttacag	ctcacccaat	atagtacaga	agggatattc	180
aaatttttgca	acttgttgga	tgaagaaggt	ccttgggggag	gagactgaaa	ctactgattg	240
aaaaatcagg	tttataaata	atttgaacat	ttcattttct	tgtaattgac	ataacttct	300
atatataatt	atgagtttaa	tgaagtgaga	taatttaaga	tgatcacaca	ataaaacttt	360
acagccaaaa	tacaaagtct	tcatcttatt	ttcctacttc	atTTTTTTTc	atgttcttag	420
taagtgcatt	tttctacttt	atTTTTTgaa	agaacatttc	atTTTTTgaaa	agtttatttc	480
accaaggacc	aatcttttgt	tgatgttcaa	atttaaattg	ttctttcata	tctgtctcat	540
aggagaaaaa	catgaaaaat	tgcttctgtg	gtagtttctt	ctaggttttc	aagtactctt	600
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cactgatgat	gggaacattt	tcatttttgt	cctgagctgt	caggtcactt	tcactgtcag	720
atagtgtaca	caggagagtg	tcattttcat	aggttggaaa	ataatactcc	agttgatccc	780
acgtctttct	atcggggagc	agcgaagtgt	gtttagtttc	ttccatgtga	gttcttaagt	840
ctgcttttga	tttgaacttc	acatggcagc	cataacatct	gcattggtga	acttgcctcc	900
gaataaaatt	gaccagtttc	acttgctgat	agaaatttaa	tccaagttct	gactttattt	960
tgagaagatc	aaattcgtgt	gcatcctcca	tgtggacata	caacttctca	attgtttctg	1020
cttgctttttc	acaaaataag	cagactgcag	aggcagggtg	ttcttcccaa	tcagaccagt	1080
catcttcctg	atggtccagc	aactcccgat	catcttccaa	ctgaacttct	tcccacgatt	1140
ttccaagttc	caaataattg	atgacataaa	atctgtcata	ttctctgttc	ttaggattaa	1200
tcttacgatg	ctgttttttc	ctcatgtgat	ctttaagtgt	atTTTTgtcc	ctgaaggctc	1260
tctcacagta	caagcactgc	aaattgtcaa	gctttttctg	taatgtacac	aaaaattcat	1320
tgcagtttac	aatgttgtct	ggcaatccaa	tgttgaaaagc	atgttctctg	gccatgtggt	1380
tcaaaaataac	agatctgttt	ccaaggaatt	cttcattgca	aaacatacaa	acgccatgaa	1440
aattggtatc	atttcgtttc	tgctgctgtt	gttcagaat	ttctctcagt	ctctgtttct	1500
gaagctcttc	tctaagaatt	ctatcttctg	gtaaaacgtc	acataacaaa	aaataattct	1560
cttgttcttc	aaatggagca	gtggaattaa	ttcttattac	actacaaaaa	tctgtgatgg	1620
gctgttcagt	gaaccttttc	ctccaatata	aaatgtacct	ttggaaatca	gcaaccaact	1680
tgacatcagc	tatgacaatc	ttatgctcaa	taatcatgtg	cttcagaagt	ttgtcttggt	1740
cagccacagg	aaaatgttct	tcacagaaaa	tacaaggcac	agatggagaa	ccttctaaag	1800

tggtggtgcc	acctggactt	tctggcaggg	aaagcggctc	caggatacaa	tccttactgt	1860
ccccataacc	tacacccccg	actgtgctgc	agctcccatc	acggctcttc	tgcattcggg	1920
cgacagcccc	ctgggtcttg	gaagcagcca	ttaccgcgga	gaaaagaacg	gacgcgtggg	1980

<210> 4592

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(380)

<223> similar to gi3413870 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4592

gcacagaggt	gctaggcagc	aaaggcattc	atgagcttcg	gagcagcacc	agtgccctgc	60
accatgccct	agaggagtcg	gcttccctcc	tcaccatggt	ctggagagcg	gccctgccaa	120
gcacccacat	ccctgtgctg	cctggcaaag	tgggagaatc	aacagaaagg	gaacttctgg	180
aactgagaac	caaagtatcc	caacaggagc	agctccttca	gagcacaact	gagcatctga	240
agaacgcaa	ccagcagaag	gagagcatgg	aacagttcat	tgtcagccag	ctaaccagaa	300
cacatgatgt	tttaaagaag	gcaaggacta	acttagaggt	aaggaaacta	ctgcaccagt	360
cagaggcacc	aagcctgtcc	cccacccatc	accatccggt	agcagatctt	gtagggtgact	420
cttggcctgc	tttgcgcttc	caggagaag				449

<210> 4593

<211> 2886

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (129)...(1314)

<223> similar to gi2651302 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4593

gtcttcaatg	gtgtggagag	ccaaaacggt	tagaaactga	agcttctact	gggcaacagc	60
tgaactctct	gaacttgtct	tctccttttg	atttgaattt	tccattgcca	ggagagaagg	120
gccctgcatg	ccttgtgaag	gtttatgaag	attgggattg	tttcaaagta	aatgacattc	180
ttgagctata	tggcatactg	tctgtggatc	ctgtgctgag	tatactgaat	aatgatgaaa	240
gggatgcctc	tgcactgctg	gatccgatgg	agtgcacaga	cacagcagag	gagcagagag	300
tacacagtcc	tcctgcttca	ttagtgccga	gaattcatgt	gatcttagcc	cagaagttgc	360

aacacatcaa	cccattattg	cctgcctgcc	ttaacaaaga	ggagagcaaa	acctgtaagt	420
ttgtttcaag	tttcatgtcc	gaattgtctc	cagtcagagc	agaacttctt	gggttcctta	480
ctcatgccct	tctgggggat	agtttggctg	ctgaatacct	tatattacat	ctcatctcca	540
cagtatatac	aagaagagat	gtccttccac	taggaaaatt	tacagttaac	ttgagtgggt	600
gccacaggaa	tagtaccttc	acagaacact	tgtatcgaat	tattcaacat	cttgttccag	660
catcttttcg	tctgcagatg	actatagaga	acatgaacca	tttgaaattc	attccccaca	720
aagactacac	agccaatcgc	ttggtcagtg	ggctcctcca	gctgcccgagc	aataacttccc	780
ttgtaatcga	tgagactctc	ctggaacagg	ggcagctgga	taccccagggt	gttcataatg	840
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cggcagactg	ccagattcac	ttacagcccc	agctaattcc	accaaacatg	gaggagtaca	1020
tgaacagcct	tctctcagcg	gtgctgcctt	ccgtgctgaa	caaattccgc	atztatctaa	1080
ctcttttgag	attcttggaa	tatagcatat	ctgatgaaat	aaccaaggca	gttgaagatg	1140
actttgtgga	aatgcggaag	aacgaccctc	agagcatcac	tgctgatgat	cttcaccagc	1200
tgctcgtggg	ggctcgggtg	ctgtctctca	gtgctgggtc	gacaacgctg	tcaagagaac	1260
gatgggtgag	agcaaagcag	ctagagtctt	taagaagaac	gaggcttcag	cagcaaaaat	1320
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<210> 4594

<211> 6583

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1797)

<223> similar to gi3043572 in the genepept database release 114,



Run with FASTXY 3.3t00, default parameters

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<210> 4595
<211> 927
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(517)
<223> similar to gi5911846 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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```

<210> 4596
<211> 5564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2224)
<223> similar to gi5689557 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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cacgcaaaca	cgcatgagaa	ccaggccatt	ccttccgctg	tggaaagcaga	actggagacg	3120
gggcaggaat	gtgccagca	gagatggggc	tcagcccgag	gcagggtccc	ctcctgcatg	3180
aggtcggcc	cgaggcagg	ctccctcctg	catgagctctg	tggcctccag	gagggaactg	3240
ggtgcagatg	taagcaagaa	aaaccggggc	tccagaggca	tgtgcatttc	ccctgcgcc	3300
ctcagccttt	aaatattccc	tcctcctaga	agggctctaga	ccccccctt	ccagcagggg	3360

tgcccaagag	tccctggacc	ctcaaaattg	caaaggagac	ccaagcgggg	ctcgctgacc	3420
tcccagggcc	cagcaagatg	ggatagccag	ccttaggttg	ccccacgagc	ccaagcctgg	3480
ggaagggccc	ctccccagcc	agacgagagg	cagccacccc	agagaccaca	ggagccgtac	3540
catggcctgc	gcagtcaggc	cctatcagga	tgtgtctgtc	ccaagcctgg	ccaggctcca	3600
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ggttaaggcc	tcttgggaga	ggcagtgagc	atgagtcaaa	ggtgacatgg	acttgaatct	3720
ccccacccc	ccccgcctgc	agtagccggg	ccaggtagga	ggcaaggatc	attccctgct	3780
cccagagggt	ccagatgacc	tagtttcggt	ttgtgtgtgt	gtgtgtgtgg	tcaccagac	3840
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gtaacttgca	gccaatttgc	cctctcccc	gtggctgcca	gcccacctgc	ccctctgtgt	3960
cettgtctgc	ctggccctcc	tctgttttct	gtaacagatg	ctccagtcac	tgcctttcag	4020
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caggccctcc	ctcccacctc	agctgaagcc	ccaatcttcc	aaatcggaac	cagcaagtct	4500
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ccctgcccc	gggcagaggc	ccaccccctg	ggttggtgca	gtggctgccc	tgggctccac	4620
gggcagcaca	gggagtctgt	ccaggaagca	gcccagccgg	ggtcagtatt	ccgtggagcc	4680
agtcctgagc	tgggaggggc	atttaacacc	cctgagggcc	tggggcagga	cacagctggc	4740
cctccttcat	tggttcagggg	aagcaagtgc	ccaacatctg	tgaacctccc	tttccctgct	4800
cagtccccag	ggccaagggt	gggacccctc	tccatccctg	tccccagagc	ctagacctca	4860
gggacctagg	aaaagcctct	tgctccctcc	ccacggcagc	agacagggca	gggcctccag	4920
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cagtagagtg	ctgagcccca	gacccagtca	ccccaagatg	gccccactct	atccactctc	5040
tagacctttg	ggaaatctgg	gtccctctcc	tgatttgatc	cattcggccc	caactccaga	5100
gtcgggaatg	ggagatgaaa	ctaggtttcc	acccactttt	ggacaagtcc	caccctaga	5160
tctgaagcaa	gctctaccag	cagcgtgtcc	tggaaagcatg	cctgcatgct	gcctgcctgc	5220
ctgcccgtct	gcacaggtgt	cttgatccag	ccctgcgtct	tcgagccctt	gtgccaccgg	5280
tccccacggc	ccgccaggag	tctctttgta	cccactaggc	ttccctgatg	accatctgtc	5340
tgctccgtccc	tggtttttgt	gtacataact	cctgctgcac	cctctccccg	cacacccgtc	5400
acccatgaga	gagagaaacc	tctctaggga	aaggcagggt	ggctgcaccc	agcaactaat	5460
ccaaatggca	aatattttgt	aacaaaatag	cccagaggtg	ttttatctgt	tcaattcata	5520
gagttttaga	gattatattg	aaagatgtca	cttgaaaaaa	aaaa		5564

<210> 4597

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (307)...(964)

<223> similar to gi2224673 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4597

aactgcggac	ctgctacgcc	agcttggcac	gaggggaataa	ctctcatgag	atctgatggc	60
ttttataaag	gggcattccc	ctgcacacac	cctctcttgc	ctcctgccat	acgagatgtg	120
tcttgctcct	ccctgtcttc	caccatgatt	gtgagtggag	cctccccagc	cacatggaac	180
tgtgtcaatt	ggacctcttt	cctttgtaaa	ttgcccagtc	ttgggtatgt	ctttatttagc	240
agtgtgagaa	cagactaata	caagtagata	ggtatctttt	aacttgtttc	cagtgactct	300
tgctttactt	tcaggtggat	gatgacagaa	tggacccttc	gttcacgaac	ttgtggaaaa	360
ggaatgcaga	gcagacaagt	ggcctgtacc	caacaactga	gcaatggaac	actgattaga	420
gcccagagaga	gggactgcat	tgggcccag	cccgcctctg	cccagcgtg	tgagggccag	480
gactgcatga	ccgtgtggga	ggcgggagtg	tggctctgag	gttcagtcaa	gtgtggcaaa	540
ggcatacgtc	atcggaccgt	tagatgtacc	aaccaagaa	agaagtgtgt	cctctctacc	600
agaccaggg	aggctgaaga	ctgtgaggat	tattcaaaat	gctatgtgtg	gcgaatgggt	660
gactggctta	agtgtcaat	tacctgtggc	aaaggaatgc	agtcccgtgt	aatccaatgc	720
atgcataaga	tcacaggaag	acatggaaat	gaatgttttt	cctcagaaaa	acctgcagca	780
tacaggccat	gccatcttca	accctgcaat	gagaaaatta	atgtaaatac	cataacatca	840
cccagactgg	ctgctctgac	tttcaagtgc	ctgggagatc	agtggccagt	gtactgccga	900
gtgatacgtg	aaaagaacct	atgtcaggac	atgcggtggt	atcagcgtg	ctgtgaaaca	960
tgcagggact	tctatgccc	aaagctgcag	cagaagagtt	gacctctagc	aggctggctg	1020
gatcacagct	ctttgcaatt	acattattta	taaacacaca	cactagcatg	tttttcagac	1080
caaataattat	cagattacat	ataattta	caaattaatt	tatttttttg	cctgccaaac	1140
atccaatgtg	gtgcttgttt	tggttacaca	aacattttga	tttatactat	atggcttcat	1200
aaataatttt	atatgaatga	attagttgga	tccagtaata	taataaaaag	aaaaaggaaa	1260
aaaatagatc	attatactta	aaacaagggt	tgcgtgtttg	ttagggttat	ctctaagggtg	1320
ctactctctc	cccaccaata	acattgaatt	atccagaatg	tatactgact	tagcataata	1380
gttttaggtg	atatgaagag	aaactatttt	tgttttttgg	tgtcctgctg	cagaatttagc	1440
ccattttctg	tcacctgcag	gagatgtgta	aacataatga	acctg		1485

<210> 4598

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1585)...(1145)

<223> similar to gi2921092 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4598

tttttttttt	taagggtctt	accatttgc	ttattttttc	tttttcattt	ttcccaggtc	60
aatgaggcag	caacattaac	aaaaagttag	acatactttt	tttcttgcaa	gataattcaa	120
taattcttcc	caaactgatg	ctccacagat	aatcctaaga	ggttttcatt	acatttagcc	180
taatctggaa	gatctggcat	tctacatata	aaaaataact	cccaggctga	tatgaggcca	240
acccatgagc	actcaattcc	acacaggggc	aatacctcaa	gcagagagag	ggcttcaggc	300
caccccaact	ctggctcttt	ccagtcctag	caggtaaaag	aggagatcca	ggctaaattt	360
tctggccctt	caggaaggct	ggcacctctg	gctctcccta	cctggggaac	ctccagggct	420
actggatcag	cagggaactt	gggggttgtt	tatggacca	gaatttgtgc	aagaagctcc	480
atgcttgctg	cccaacaaac	tctgaatga	tctcagctc	tctctctttt	tctgaacaca	540
ctcctttgtt	gaaaaaggag	actaaacaga	ttcaagaggc	tactgatgt	gcacttgga	600
atgacgctat	tgtcaaaaga	acacagaatt	tatttgtagc	agcttgcaat	gtcccagggc	660
cagagagggt	ggattctctt	aggacgcctg	ggagcatctc	aatggtaac	atttgggaca	720

gcccagctgg	ggaaatgctg	caattttagc	tgtgcaaatt	gcaaatgcac	gtggaaccct	780
tgctgccacg	caaacagggg	aagcaccaga	atccttttct	atgcagccag	aggctctgaa	840
cggacaggct	ccccctcttc	tcctttctct	tctgattccc	aggttggctt	gctgagttct	900
ctcactccca	tcagcttttc	tctgctgctc	tgtccaagtt	atttggataa	atgggaacaa	960
agaaaagaaa	acagcctcag	cctccagcct	tcccttttgg	gacctgcctc	acaatgcacc	1020
ctctcttcca	ggcacttctt	gaattacaga	ggaaacaaca	gtgagtgagt	ccactatgga	1080
gctactacca	ggttggttta	atttgcattg	gtcccagacg	agtctcaagg	gcccaggagg	1140
gtcaccacag	ctgtcgtctc	ttccgcccc	gcagcttcag	ccgcctggct	ggcaggctga	1200
cgggtgctt	cccaaacttc	tccatgatct	ctcggatcct	ggccatgttg	gttttgctaa	1260
gtgtgaagtc	acaccttggtg	gcccccatgt	catagccaac	catacagttc	ttggtggatg	1320
cagtgaacc	ttcggccttt	gctgtgacca	catactctcc	agggttcagg	aggcgccagt	1380
aatccccatc	gttggtgtt	cggatgtcat	ggttaatgcc	ttctacggag	ataatggcgt	1440
ttgggattec	ttttccatgt	gaatctctca	ccaagccttt	aatgccacga	tgaacctgct	1500
ccatgaacac	gatcagagat	tcccggttat	tctcccactc	ctcgggcagc	tggtctcat	1560
gtgggtattt	atcacagccc	acgtcc				1586

<210> 4599

<211> 1887

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1665)...(423)

<223> similar to gi5002565 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4599

tttttttttt	ttaaagtcag	atgagtgttt	attgtttgcc	aggctttttg	catacattag	60
tccatttaat	tctcagaaac	gaccttcata	tgaacagggt	actgatttta	ttctattttt	120
ataatgagag	aaccgagtta	ctgagagggt	aaacatctca	cagttcttat	ccactatggt	180
atgctgactc	ttataaaatg	attgtggaag	gtgtgttaat	acatttcaac	tggaaaaaaa	240
aggtcagatc	ccccgaaaat	gttggttagga	gttgggttaa	ctgctttgga	aaaacaatgg	300
aaatatttaa	attccagttg	tactgaaata	ccttttaaca	tccagcagggt	ggcagcacta	360
agtaacaatt	ccatactagg	tcatctaaca	gaaacattaa	tccattctgc	acaaatcaag	420
acttctgtac	actccatgcc	ttgatgattt	cttcagcagc	atccagtgtg	ctgtcttttt	480
taatgaagca	aaaacgcaca	aacttctcaa	actgtgattt	agtctctgag	ttacagaatg	540
ctgaaacggg	gatggctgat	agtttcttat	gtttagtcat	ccatttcaca	aacttatagt	600
cataaggctc	attattcttc	atatcagaga	ggtctggatc	tagcaaagac	acatcagcga	660
tgatgaagta	tccatcatca	ggaactatgg	gttttagggc	aacactttca	agtaaacgta	720
ccatccgata	cttttttact	tctaactctt	ttggcaagaa	attaaagtaa	cattctgggt	780
catccatgcg	cttgatgtca	atccagaaag	cttgagccaa	ggcttctgtg	aaaggagttg	840
cacaagtata	aatcgtgttt	tgttgaactg	tctgtaaatg	ttttatcaaa	tgatttggac	900
caatggacca	gccaagcttc	cagccagtta	cactgaaagt	ctttccagca	cttcctattg	960
ttattgttct	ctccacata	cctggaaaag	tagctatttt	taagtgttta	tttccagaat	1020
atacaagcca	ttcataaacc	tcatcgctga	tgcagagtgt	gtcatatttg	atgcaaagggt	1080
cagcaattac	ttgcagttcc	tctctgttat	acaccttgcc	aagtgggtta	tgtggagtat	1140
ttagtataat	agctttgggt	ttggaattaa	atttactttc	cagttcttga	ggatctaattg	1200
tccagtcaga	actagaccat	ctttttccat	aaacagggtt	agatctcagg	ggaataaaaa	1260
cagggtgtgc	tccagccatt	ctcaccatgg	gctcatagca	gtcatagaaa	ggcactatta	1320

gtatgacttc	atctccctca	tcaattaatg	cttgaatggt	gttaaaaaga	gatccatatg	1380
ctcctactgt	cacaaggatt	tctttatttg	aatcaatttg	cttttgataa	agcttttcat	1440
acagatagga	cagagctttc	acaagtgatg	gatggccaaa	gcctcgtgta	tactgattca	1500
ggctatcgat	tgctgcaatc	tttgataatt	cttcttttac	atatgtagga	ggggatatat	1560
ctggaaagcc	ttggccaaga	ttcacaacag	aagggctctgc	agccaatttg	gtaaattcaa	1620
tccacacatt	actatcaagt	ccttcaatcc	gttttgcatt	tgtgaatttc	agtgaatttt	1680
tctatccggt	gcgggaacct	cgctcccta	ggctcgagtc	ccgactgggc	ttgagggccc	1740
ggctgggchg	gattcggaag	cggggggchg	agccgggaca	gggattgact	ctggggtttg	1800
caactagtcg	gcgctttggc	ggaggggtag	gccaggatct	ctaggctgga	agagactgga	1860
tgaggggtgt	ttttttggga	gggcagg				1887

<210> 4600

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(865)

<223> similar to gi3901268 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4600

tttcgtatga	tgtgctgtca	gggaaccagg	aaaaggcaat	cgccacctta	aagaggatag	60
caactgaaaa	cggagctccc	atgccgctgg	ggaaactcat	catctccaga	caggaagacc	120
gaggcaaaat	gagggaacct	ttcacacccc	attttagatg	gacaactttg	ctgctgtggt	180
ttatatggtt	ttccaatgca	ttctcttact	acgggttagt	tctactcacc	acagaactct	240
tccaggcagg	agatgtctgc	ggcatctcca	gtcggaagaa	ggctgtagag	gcaaaatgca	300
gcctggcctg	cgagtacctg	agtgaggagg	attacatgga	cttgcctgtg	accaccctct	360
ctgagtttcc	aggtgtcctt	gtgactctgt	ggattattga	ccgcctgggg	cgcaagaaga	420
ccatggccct	gtgctttgtc	atcttctcct	tctgcagcct	cctgctgttt	atctgtgttg	480
gaagaaatgt	gctcactctg	ttactcttca	ttgcaagagc	gtttatttct	ggaggctttc	540
aagcggcata	tgtttacaca	cctgaggtct	acccacggc	aacgcgggcc	ctcggcctgg	600
gcacctgcag	cggcatggca	agagtgggtg	ctctcatcac	tccgttcatc	gcccagggtga	660
tgctggaatc	ctctgtgtac	ctgactctgg	cagtttacag	tggtgctgct	ctcctggctg	720
ccctggcctc	ctgctttttg	cccattgaga	ccaaaggccg	aggactgcag	gagtccagcc	780
accgggagtg	gggccaggag	atggctcgcc	gaggaatgca	cgggtgcagg	gttaccagg	840
cgaactctgg	ctctcaggaa	tagtgaccga	tgggggactg	agctggtctt	tgaggctgca	900
gagcttgggg	ggctggcagg	ccccaaactg	ggcactgatt	gtcactgccg	acatcaagaa	960
ctcacccaag	agtatgacct	ggaccaacag	ggttttgtgt	cttgactcag	tttgctcatc	1020
ttcattgagg	tccaccagg	gatggggaga	tgtttgctct	aggggggtct	ctgtatatgt	1080
ggtgaaagct	ttgttcataa	cctgtggatc	tacatgggaa	gactacccat	attaggaggg	1140
tctggtaatg	ccagcaacca	atcagacacc	accagagtc	acccggccaa	accctcagtg	1200
aacaacccaa	atatctctct	gtagataccg	tccaggctca	ggcccatgtg	acacctgctg	1260
tccacccacc	ggacctgttc	agtaggtttc	tcccacaccc	acagccccag	gctttcttct	1320
ttgaaattgc	aggcgatcta	ggtgtggtct	gagcagctat	ttcctggcag	gggccccccg	1380
gtttgcctcc	ctagagcctg	accagtggat	tctctggcag	atggacatgg	tgcaattcaa	1440
ctggagccac	atgccccac	ccagccccct	ctggagttgc	cgttgttggc	accaagagat	1500
ccagatgtgt	ccctggggac	agctggtctt	gcaccagggtg	acaacctcag	aacgcggtta	1560
ccccctggga	actgaggact	gaggccaaag	tgaatcaagc	tgaagtcaga	gcacgggcct	1620



<210> 4601  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (47)...(155)  
 <223> similar to gil77872 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4601  
 aaaaaaagtg tttattcatc aagtctttaa agatacaaaa acacgtgtcc cagtaagaga 60  
 tctgaaacca gccatagtga aagtctatga ttactacgag accgctgact ttgcaattgc 120  
 tgaaaacaat gctccttgca gcaaagatct tgtttatgct tgaagaccac aaggctgaaa 180  
 agtgctttgc tggagtcctg ttctcagagc tccacagaag acacgtgctt ttgtatcttt 240  
 aaagacttga tgaataaaca cttatttctg gtcgggggtcc taaaaaata attggtggga 300  
 aacctaataa actgggcttt gggaattttt ttaaatttaa actttccccc aaatcaaaaa 360  
 aggccccggg gcttgggggc cccttctcca agaaatggat taacgggggg a 411

<210> 4602  
 <211> 1473  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1473)...(573)  
 <223> similar to gi35019 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4602  
 tttttttttt ttgaagcgga ggcattactt tattcaggca gggactagcc aggcagggcc 60  
 acacgctggc agggatgggg ggagtcagca catgggagtg ccgtcacctc cattagccac 120  
 aggccagacg gccaggagg gcggtgctact gcagtgagat ggtgcactac tgcagtgagg 180  
 tggcgtaggg ctggtgagct tgggcacaaa agccagcatg tcacctccc tttggagaag 240  
 cctctggggc acaggccttt tccagctgac gggatgcgga gggaagggga cctagtacta 300  
 tcgggattca gctgacttag cctatgagat ggagcaggca agagattccc tttgcagggt 360  
 gggaggttat attcctacag cctccattct tggagtaggc tcctttgcca caccctttt 420  
 caccttagcg ggccaggcct ctcagccaga aaccatatgt caagagatcg taagttaaga 480  
 gtgctgctcc tgagcaggga gcgggcttgg aggcgtcctt cccctccccg caccctaag 540

tccccagtgc	cgggcagatg	gtcttttctt	agtcctcccc	tgaggaccag	gactctctat	600
ctccttccct	ctgagtgaac	ttcaggaact	gaccctggcc	caggtgaaca	ggagcccctg	660
cccaagaggt	cttcagagca	ctccccctct	cctcctgaaa	ggggctccct	cgggtctccct	720
cagagactag	cggcattcct	tgccccactt	cctcagactg	ctccagcccg	ttcatcactc	780
ccccattcac	atgctgtgac	ttccccctca	agttgggacc	ctggccatta	acaccaatga	840
tgtctgcccc	tgggcctgca	tctctcatcc	cactggggat	ctctagaggg	ccagggactt	900
tgtcctccct	ctccaaggaa	acagggtcag	actcttcttc	tgagccagaa	ggctcagcac	960
tgtcctggga	ctccgtttcc	agggcagtct	tgggggcacc	agccactgca	cccctcaagc	1020
tgtcatccca	ggggacactg	acactcacag	aatcagactc	caggaattcc	cctctctggg	1080
agctactcag	ggcctggagg	ctgccaacag	aagaccctgg	ccccaccgc	ccagcccctg	1140
gctccctccc	ctcctcctga	tctcctcttc	cctcctcccc	actttcttcc	tcctctgcaa	1200
acccatcaga	ctccccatct	cgatcccagg	ctgcaggatc	cagtagcagc	tggggcacct	1260
ggcccagagg	ttctgccacc	tccccagga	ccccaggaag	aaaaggtgcc	tcagtcccca	1320
ggctctcaaa	ttcttctgac	aggtcagagt	cacggccaca	ctccttttct	ccctcctccc	1380
cctcctcctt	ttttgagggg	ggggcctcaa	ggcctcggga	agccaggaca	gcaggatccc	1440
agccctcctt	tccagtctcc	ccttgagggg	gtg			1473

<210> 4603

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (216)...(130)

<223> similar to gil340146 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4603

tttcgtattt	ggttcaaggc	ttgttaggat	agttaagaaa	gctgcctatt	ggctggaggg	60
agaggctcag	gcagaagccc	tattactttg	caaggggccc	ttcagaagtc	gctgggctca	120
gaaggctctt	agtcgtactt	gagagtgage	ctttcgaaga	gatactcgcc	cagcccagcc	180
tccggggcac	ccagcctgtg	gaggttggtc	agctggctgc	tcttgct		227

<210> 4604

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1194)...(366)

<223> similar to gill177358 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4604

tttttaagag	gttcatgaca	caaatatatt	tatattaggt	gaatcaatca	cccaggatac	60
ccaagatctg	atactttcac	aaactgcttg	gaggcaactt	aagtatggaa	gaagcttcag	120
aaccagccca	gctttctgct	ctctggctcc	aggctgcac	ctttttaact	atttaattgtg	180
gcgtggaaaa	tgtcagcata	atgaggcttt	ctcatctcaa	tagagaacct	aggaaggaca	240
aggccgaatt	aaaaaaaaaa	tcttcattaa	agaatttaat	agggagttga	ttatgttgta	300
gaatcatatc	gtcctattct	gtgacacatt	agaaacataa	actttagggc	tttttcatct	360
ccacagcata	gaggtctgat	cgcttctgtc	taaaaacggg	gatttgctgg	cgtatttcag	420
ccagcttctt	caggtctatg	tctgaatata	cgattgcttc	ttctgtgcca	gctttggcta	480
gaacctcccc	ccaagggttc	accacggtgc	tgtgtcccca	ggcaacatag	gaggctttgt	540
catcccgggc	aggagaggct	gtggccacat	acacctgatt	atcaacagcc	cggcttcgct	600
gaagtaactc	ccaatgggct	ggtccagtgg	tcagattaaa	agctcctgga	tataccaaca	660
gctggcagcc	tctctgtgcg	tagatttggt	caagctctgc	aaaccgcatg	tcgtagcaga	720
tgcccagacc	cactctgcag	taaggagtat	caaagtgtga	gaaactatca	cccggactca	780
atgtttttaga	ttcttgaaat	gtaatttttc	caggaacatc	aatgtcaaac	agatggatct	840
ttctatactt	tgctagtaaa	gttccatcag	gccccaaacac	agcacagggtg	ttatataatt	900
tcccagcatc	ctcttcaggg	atagagcctc	caatgagata	tatgctgcat	tcctttgcta	960
cttcagaaag	cttctgtgtg	gattcaccag	gaattttctc	tgcatattca	ggaaaaatatt	1020
tcgctccata	tggagaatta	aagcattccg	gcaaagaaac	tattttgggt	ccttgcggtg	1080
ctgcctcccg	gatgaagcta	caagcgcgag	tgacgttata	tgatttgatg	gaagaaatct	1140
gaagctggat	gagggccaag	cggaaagagg	tcatgactct	gcagacaagc	accacctgcg	1200
gcgcggaatg	agcgtctggag	atccggcgga	ccgcggcgctc	gctacacgaa	a	1251

<210> 4605

<211> 1149

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (12)...(885)

<223> similar to gi2121220 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4605

acaggagccg	agtggatatc	ccggtgatag	atgtgattga	ctggaagact	ttccagtatt	60
acccctcaaa	ggacctgcag	cgtgggggtg	tggactggaa	gctggatttc	caactgggaac	120
ctttgccaga	gcatgtgagg	aaggccctcc	agtcccccat	aagccccatc	aggagccctg	180
tggtgcccg	agaggtgggtg	gccatggaca	gacattactt	ccaaaacact	ggagcgtatg	240
actctcttat	gtcgtgcga	gggggggaaa	acctcgaaact	gtctttcaag	gcctggctct	300
gtgggggctc	tggtgaaatc	cttccctgct	ctcgggtagg	acacatctac	caaaatcagg	360
attcccatc	ccccctcgac	caggaggcca	ccctgaggaa	cagggttcgc	attgctgaga	420
cctggctggg	gtcattcaaa	gaaaccttct	acaagcatag	cccagaggcc	ttctccttga	480
gcaaggctga	gaagccagac	tgcatggaac	gcttgacagt	gcaaaggaga	ctgggttgct	540
ggacattcca	ctggtttctg	gctaattgtc	accctgagct	gtacccatct	gaaccaggc	600
ccagtttctc	tggaaagctc	cacaacactg	gacttgggct	ctgtgcagac	tgccaggcag	660
aaggggacat	cctgggctgt	cccatgggtg	tggctccttg	cagtgcagac	cggcagcaac	720
agtacctgca	gcacaccagc	aggaaggaga	ttcactttgg	cagccacag	cacctgtgct	780

ttgctgtcag	gcaggagcag	gtgattcttc	agaactgcac	ggaggaaggc	ctggccatcc	840
accagcagca	ctgggacttc	caggaggtga	gtaatctgtt	caggaagagc	ctggtagtgc	900
tgctggtcag	aaggaactgc	tggttggcat	tggatcctgg	gctcttccaa	gaggtcaggt	960
attagggacc	tctgcctctg	cttttgaact	tagtggctgg	gcagtaaggc	ctcaggggga	1020
ggaaagggca	acccagcagc	aaagttggcc	cactggcatc	ttcatatgta	atgatttgcc	1080
aggtctctgt	gtagctctga	tgcttgtcat	tgcagagaga	gggatacacc	tctttttgaa	1140
gtttattcc						1149

<210> 4606  
 <211> 943  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (85)...(587)  
 <223> similar to gi6018317 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4606	
caacgctgcc	tgcccagcaa cgaagacaag gaggagttcc cgctgtgcgc cctggcgcgcc 60
tactgtctgc	gcgcgccttc cggccgcaat ctcattctca actcctgcgg agagcagggc 120
ttcagaggct	gggaggtgga gcatggcggg aacggctggg ccatagaaaa gaacctaaaca 180
ccggtgcctg	gggctccttc gcagacctgc ttctgtacct ctttcgaatg gtgctccaag 240
aggcagcttg	tggacctggg gatggaaggg gtgtggcagg agctgctgga cagcgcccag 300
attgagatct	gtgtggctga ctgggtgggc gctcgagaga actgcggtcg cgtctaccag 360
ctccgggtcc	gccttctgga tgtgtatgaa aaggaagtgg tcaagttctc agcctcacct 420
gacccggtcc	ttcagtggac tgagaggggc tgccgacagg tctcccacgt cttcaccaac 480
tttggcaagg	gcatecgcta cgtatctttt gagcagtacg ggagagacgt gaggttcctgg 540
gtggggcact	acggcgccct tgtgacctac tccagtgtga gggtcaggat ccgtctgtcc 600
tagcgactgg	actactgcct gacgttgtca gtcaagacca gccttgacgc cagggtgcagt 660
ggctcacacc	tgtggaatcc cagcacttca ggaggccgag gtgggaggat cactggagct 720
cgggagttca	agaccagcct gggcaacata gtgaaaccgt ctccacaaat aatttttaaa 780
aaattagcca	ggcatgggtg tgccgcctgt agtcccagct actcaggagg cttgggtggg 840
aggattgcct	gagaccagga ggttgaggct gcagtgagcc gtgatttcac caccactcca 900
gcctgggtga	gaaagcaaga ccctatatca atgaaaaaaa aaa 943

<210> 4607  
 <211> 1398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(856)  
 <223> similar to gi4038413 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4607
tgtgtgcagt cccagtgcc ctcccaggtt gtcaatgttc gaaccattgg tcagcccacc      60
aggcttcgga gtgtggccca gaagatttta ctccagatta actgtaaatt ggggtggtgag      120
ctctggggag tggatattcc tctgaaacag ttaatggtga tcgggatgga tgtttaccat      180
gaccccgagta gaggcatgcg ctccgtgggt ggcttcgtgg caagcatcaa tctcaccctc      240
acaaaatggt attcccgggt ggtgttccag atgccgcatac aggagattgt ggacagcctg      300
aagctatgcc tcgtgggctc cttaaaaaag ttttatgagg tgaaccactg tctaccaaag      360
aagattgtgg agtacctgta tggaatgtct gatggccaac tgaagacagt tgccaactat      420
gagattcctc aactacagaa gtgttttgaa gcttttgaga attatcagcc caagatgggtg      480
gtgtttgctg ttcagaataa aatcagtact aatctatatac tggctgctcc tcagaacttt      540
gtaactccca ctctggaac tgtggtagat catacaataa caagctgtga gtgggtggat      600
ttctatcttc ttgccatca tgtacggcag ggctgtggca ttctacgca ttatgtctgt      660
gttctcaaca ccgcaaacct gagccctgat catatgcaga ggctgacttt caaactgtgc      720
cacatgtact ggaattggcc tggcac'catc agagttccag ctcttgcaa gtatgccac      780
aagctagctt tcctgtcagg acacatcttg catcatgaac cagccatcca gctgtgcgag      840
aacctgttct tcctgtgact gcacagcttg gagatgggct ggtgagaaga aaggcggcct      900
cagaactcag ctgtgactct tgcagaatca acagagactg aagtgggctt ttgtgttata      960
attttccctt tctccaaccc tgtagaataa gatttctttc ttgtctttta aacctaatat     1020
caccaagaag caagtttctg agtaacagct gaaaatggcc ttgttgccctg tgtagagcaa     1080
gttacgggtg tactgccact ctgcagggtg agcgggtgac tctgggggac cattaagacc     1140
tccagaccgg gtgcggtggt tcacacctgt aatccaagca ctttgggagg ccgaggcggg     1200
tggatcatga ggtcaggaga tcaagaccat cctggccaac atggtgaaac cccgtctcta     1260
ctaaaataca aaaaaattag ccgggtgtgc ggtgcacgcc ttagtccca gctactcagg     1320
aggctaaggc aggagaatcg cttgaacccg ggaggtggag gttgcagtga gccgagatca     1380
cgccactgca ctccagcc

```

<210> 4608

<211> 1024

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1027)...(774)

<223> similar to gi608694 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4608
tttttttttt ttgagatcac aggctttatt cctacaacca cagggcttga gcctgactgg      60
ggcaagaaaa cagagtttca tctgagaatg tctcttatgg gctgggttct gttcagggga     120
gggtgggaac agaggacaag gaagacaagc tcctctggcc ctaggaacaa aacacattta     180
ctccttcaaa gaagcagatg atctgaatac cctctggaga ctgaatctgc ccatacagcc     240
cctggagcca atgggcagac agtactggca tctggcacia aagggaattc agaccagaa     300
cagaagcagc aaaatatatt aaaaatagta aattgttctt ggactcacia atcattgttt     360
ttaagggcaa gtgcatgccc aatataagta ctggggcttc ctaagagagc tgacatagga     420

```

ttacacagct	gcctccctgc	ttcagtgagg	gccctcacat	cccctttgaa	cacttaactt	480
gggtaggaga	ggtagccttt	tcgtctctgt	tctgggttct	gagagctctg	cagtctggag	540
gcacagcaga	ctgaggctga	cctgggccct	gtcctttctg	cctggcagtc	acaggatggt	600
gtctctacct	ggagacaaag	ctgggtttccg	gtcccagaca	gctgggtcaag	ggagggtagt	660
gtgggtcaac	actggccctc	agcactcctg	agggggcaaa	gaggatgggc	aaagtttggg	720
gcaggaggaa	tcctaggtaa	aggtcaggat	catgttccact	ggatggtcag	gcagcgggtg	780
ctgaagaggt	gactgatgac	agatgggtca	gccacagtag	acatgtcccc	gaggtcatgg	840
tcattctgag	caatcttccg	aagcactcgc	ctcatgattt	tccttgagcg	ggttttaggc	900
aagccaggtg	cattctggat	gtagtctggt	gtggcaatgg	ggccaatctt	ttctctaate	960
tgcttcttga	gctcctcggt	gagcttgggg	ctgaagggtg	ggccatcaca	caaggtgaca	1020
aagc						1024

<210> 4609

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(181)

<223> similar to gi452404 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4609

gatgacaaca	tggttcagag	actagaaaca	gacttcaaga	tgactcttca	gcagcagagc	60
accctggagc	agtgggctgc	gtggcttgac	aatgtgatga	tgcaagcact	gaaaccctat	120
gaaggaagac	ccagttttcc	taaagccgcc	aggcagtttc	tgctaaaatg	gtctttctac	180
aggtatcatc	taggtttttc	ctaggctttc	ttcttcatat	tctgcaaata	tgtgtgtgta	240
tgtgtttgta	tatgcttctg	tgacaaaaga	aaagaaagta	ataaagactt	tagtttgtgg	300
aaactccctg	ttacaactac	cttcaaccca	actcagtgat	tacaacacca	tggaaatgta	360
ccaggaaact	tagagaaata	aactttctgc	taggaaaaga	aatctcttgc	tcaaagccct	420
acatgtcctc	agatgggaac	gtctgagatt	ccagtctaga	taatgtgttc	agcagtaate	480
agaaaagggc	aactgtcctc	cctcttgcaa	catacattat	ttaggcttct	ttcttgaggc	540
ctaactactg	tctccttttt	gttctctggt	tagtgatggt	cagaatgtgg	tccctaaacc	600
agtagcacca	ctatcaattg	gaaacatggt	agaaatgcaa	attcttagca	cctcctccaa	660
atctacctgt	atcagaacct	gtagaggtaa	ggccca			696

<210> 4610

<211> 1799

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1800)...(1324)

<223> similar to gi31142 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 4610
tttttttttt tttgagggca tattgataaa tctttattga caaaatattg acattgacat    60
acttcttgga agtatatagt gtgtagaat tctaacaaat taacacaaaa cacaaaaata    120
tttacattct ggtatagaag acattaagga agcatttgtc actctcttta gtaagtctat    180
gatcttgga  tagaaactca gtgcttgaaa acttgccgcc gtgcgcttgg ccacacttaa    240
catcatcccc gctaactaca gtccttcagg ttttgcaata gatagattta aagtttgga    300
taggcattgc agtgaatggg tgaactcggc caatttctcc aaccactgaa aggagaagtt    360
tgcacagggg ttttaagcct caggatgtta ggaaagggaa tgtccaagaa atataattaa    420
tttaggggtt tttttcccag tacaagtcct gattcttttt gtgggcaccc tcccccgcca    480
ccccagccc  ccgggtcgtc ctgctccccg tttctctgta agaggaccac tatcgctgag    540
cctacttcat ttagcttgca caatcacttt gacatcagaa ggtatcaaaa agtgtttaca    600
gactgcacat ttcttgga  aaaaaatcaa aataaaaagc acacagaacc tgtctttaa    660
aggaaaagaa aattacaatt cattttcggg ctttaaacac cattcgcca  acaactgcta    720
catgcatttc aaggatttga aacagggtgt ggatggggct agatatggaa tttttgtttt    780
ttattactaa ttatttttaa agatgggggg gaaacacagc gaagtgcaaa aaacaaaaaa    840
gtcctgtgcc tgggtgggtc gtgggtttta tcatcatcat cattttttta gtggactgtg    900
ataaacggaa tacctgccaa tcatcttgtc tccccggtt  ggtgtttgat tgacagctcc    960
ccttgtcaga gtgcacgttc agctttctct ctctctctct ctctctttct ctctctttct   1020
ctctctccct cctcttttct ccttctctct gtgtctctca ctcagctgcc tctttagacg   1080
agggtcgctt gttgatgaag gagcctccat cctctgccat cttggcgcg  cctcggtttg   1140
ggaccctgtg cctcgtctgt ccagagtctt cgccgcatte cgctgctccc tccgattccc   1200
tctcccttcc tgggtgaacg tgtatgcggg ttgtttttgt tttgtagggg tttttccttc   1260
tccacctctc cctgtctctt ttgctccatg ttgtccggtt ctgtgggggt aggtttatgt   1320
ttttaatcat ctgaggtcac gtctatttcc tccggactcg cctgcttggg ggcgattctc   1380
caccggttaa tatggtgcgt cccctttttt tttgtttgcg aatctgagcc ttcttcctcc   1440
agcttctgcc ttttgaactt tgttcttcgg ttctgaaacc atacttttac ctgagtttcc   1500
gtgaggetga ggctgtgtgc cagctgcttc ctttcggcgc ccaccacgta gtgattcttc   1560
tcaaaggcgt gttccagcct tagaagctgg gacggggaga aggcggttcg gatccgcttg   1620
ggctttcggg ccagcgcggt gtgcaaaagg aaactctcgg ggctagtgtc gttcccttgg   1680
aagcgatgac ccagatatcg gtagcggtgg atgagccagg ggtagaaggt ggacggatcc   1740
cgctgctgcg aggcgaatag ggggtgtggc gagtgcgagg agggtagggg gtgggcggc    1799
```

<210> 4611

<211> 2549

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(2552)

<223> similar to gi6002623 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 4611
cagctgcggg cgcttacctg cccccctgc agcaggtggt ccaggcacct cgccggcctg    60
```

gcattggcac	tgtggggaaa	ccaatcaagc	tcttggccaa	ttactttgag	gtggacatcc	120
ctaagatcga	cgtgtaccac	tacgaggtgg	acatcaagcc	ggataagtgt	ccccgtagag	180
tcaaccggga	agtgggtgaa	tacatggtcc	agcattttcaa	gcctcagatc	tttgggtgatc	240
gcaagcctgt	gtatgatgga	aagaagaaca	tttacactgt	cacagcactg	cccattggca	300
acgaacgggt	cgactttgag	gtgacaatcc	ctggggaagg	gaaggatcga	atctttaagg	360
tctccatcaa	gtggctagcc	attgtgagct	ggcgaatgct	gcatgaggcc	ctggtcagcg	420
gccagatccc	tgttcccttg	gagtctgtgc	aagccctgga	tgtggccatg	aggcacctgg	480
catccatgag	gtacacccct	gtgggcccgt	ccttcttctc	accgctgag	ggctactacc	540
acccgctggg	gggtgggcgc	gaagtctggt	tgggctttca	ccagtctgtg	cgccctgcca	600
tgtggaagat	gatgtccaac	attgatgtct	cagccactgc	cttttataag	gcacagccag	660
tgattgagtt	catgtgtgag	gtgctggaca	tcaggaacat	agatgagcag	cccaagcccc	720
tcacggactc	tcagcgcgtt	cgcttcacca	aggagatcaa	gggcctgaag	gtgggaagtca	780
cccactgtgg	acagatgaag	aggaagtacc	gcgtgtgtaa	tgttaccctg	cgccctgcta	840
gccatcagac	attcccttta	cagctggaga	gtggacagac	tgtggagtgc	acagtggcac	900
agtattttcaa	gcagaaatat	aaccttcagc	tcaagtatcc	ccatctgccc	tgcctacaag	960
ttggccagga	acaaaagcat	acctaccttc	ccctagaggt	ctgtaacatt	gtggctgggc	1020
agcgtgtgat	taaaaagctg	accgacaacc	agacctcgac	catgataaag	gccacagcta	1080
gatccgctcc	agacagacag	gaggagatca	gtcgctgat	gaagaatgcc	agctacaact	1140
tagatcccta	catccaggaa	tttgggatca	aagtgaagga	tgacatgacg	gaggtgacag	1200
ggcgagtgtc	gccggcgccc	atcttgcagt	acggcgcccg	gaaccggggc	attgccacac	1260
ccaatcaggg	tgtctggggac	atgcggggga	aacagttcta	caatgggatt	gagatcaaag	1320
tctgggcat	cgctgcttc	gcaccccaaa	aacagtgtcg	agaagaggtg	ctcaagaact	1380
tcacagacca	gctgcggaag	atttccaagg	atgcggggat	gcctatccag	gggtcaacctt	1440
gtttctgcaa	atatgcacag	ggggcagaca	gcgtggagcc	tatgttccgg	catctcaaga	1500
acacctactc	agggctgcag	ctcattattg	tcactctgcc	aggggaagacg	ccggtgtatg	1560
ctgaggtgaa	acgtgtcgga	gatacactct	tgggaatggc	tacgcagtgt	gtgcaggtga	1620
agaacgtggt	caagacctca	cctcagactc	tgtccaacct	ctgcctcaag	atcaatgtca	1680
aacttggtgg	cattaacaac	atcctagtcc	cacaccagcg	ctctgccgtt	tttcaacagc	1740
cagtgatatt	cctgggagca	gatgttacac	acccccccag	aggggatggg	aaaaaacctt	1800
ctatcacagc	agtggttaggc	agtatggatg	cccaccccg	ccgatactgt	gctactgtgc	1860
gggtacagcg	accacggcaa	gagatcattg	aagacttgtc	ctacatggtg	cgtgagctcc	1920
tcattccaatt	ctacaagtcc	accggtttca	agcctaccgg	catcatcttc	taccgagatg	1980
gggtgcctga	aggccagcta	ccccagatac	tccactatga	gctactggcc	attcgtgatg	2040
cctgcatcaa	actggaaaag	gactaccagc	ctgggatcac	ttatattgtg	gtgcagaaac	2100
gccatcacac	ccgccttttc	tgtgctgaca	agaatgagcg	aattgggaag	agtggtaaca	2160
tcccagctgg	gaccacagtg	gacaccaaca	tcacccaccc	atttgagttt	gacttctatc	2220
tgtgcagcca	cgcaggcatc	cagggcacca	gccgaccatc	ccattactat	gttctttggg	2280
atgacaaccg	tttcacagca	gatgagctcc	agatcctgac	gtaccagctg	tgccacactt	2340
acgtacgatg	cacacgctct	gtctctatcc	cagcacctgc	ctactatgcc	cgcttggtgg	2400
ctttccgggc	acgataccac	ctgggtggaca	aggagcatga	cagtggagag	gggagccaca	2460
tatcggggca	gagcaatggg	cgggaccccc	aggccctggc	caaagccgtg	caggttcacc	2520
aggatactct	gcgcaccatg	tacttcgct				2549

<210> 4612

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (283)...(139)

<223> similar to gi3329390 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters



```

<400> 4612
cataattttt aatgagtcag caatattaag taaaatacac ctgtttatac taagattttc      60
cagcaaatct tatataactg agaattatga agtataatgt tttaaaatat tttcttaaaa      120
acaaacaaaa tttcaatcca tggaaacaac tggctccaaa agtttatctc cagggacatc      180
catccatgtc atttcaatgg caccagggtc acctggagag caagggtgta gcagatcatc      240
tacaagatgg ttaggatcag ctcggaagg tccgcgaacc tgaaataaac agtaatctga      300
aatatgtatt tgaaacaaaa ttgaacatta agacttaatc cattaccagg aaagttaaaa      360
tgtataataa ttttgtatgt tttattagaa tgtttacttt tggaaaaaaa attaagaata      420
tacaacaaaa agtagttatc cctgggtaa tgggatagat tttggttget tttagttttt      480

```

```

<210> 4613
<211> 2477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2478)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (10)...(1317)
<223> similar to gi5006248 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4613
cgtcgaccca cgcgtccgat cttaacagac gagttgttta aaagaactat ccaactgcct      60
cacttgaaaa ctctcatttt gaatggcaat aaactggaga cactttcttt agtaagttgc      120
tttgctaaca acacaccett ggaacacttg gatctgagtc aaaatctatt acaacataaaa      180
aatgatgaaa attgctcatg gccagaaact gtggtcaata tgaatctgtc atacaataaaa      240
ttgtctgatt ctgtcttcag gtgcttgccc aaaagtattc aaatacttga cctaaataat      300
aaccaaatcc aaactgtacc taaagagact attcatctga tggccttacg agaactaaat      360
attgcattta attttctaac tgatctccct ggatgcagtc atttcagtag actttcagtt      420
ctgaacattg aaatgaactt cattctcagc ccattctctgg attttgttca gagctgccag      480
gaagttaaaa ctctaaatgc gggaagaaat ccattccggg gtacctgtga attaaaaaat      540
ttcattcagc ttgaaacata ttcagagggt atgatgggtg gatggtcaga ttcatacacc      600
tgtgaatacc ctttaaacct aaggggaact aggttaaaag acgttcatct ccacgaatta      660
tcttgcaaca cagctctgtt gattgtcacc atttgtggtt ttatgctagt tctgggggtg      720
gctgtggcct tctgctgtct ccactttgat ctgccctggg atctcaggat gctagggtcaa      780
tgcacacaaa catggcacag ggtaggaaa acaaccaag aacaactcaa gagaaatgtc      840
cgattccacg cattttattc atacagtga catgattctc tgtgggtgaa gaatgaattg      900
atccccaatc tagagaagga agatggttct atcttgattt gcctttatga aagctacttt      960
gaccctggca aaagcattag tgaaaatatt gtaagcttca ttgagaaaag ctataagtcc      1020
atctttgttt tgtctcccaa ctttgtccag aatgagtggg gccattatga attctacttt      1080
gccaccaca atctcttcca tgaaaattct gatcatataa ttcttatctt actggaaccc      1140

```

attccattct	attgcattcc	caccaggtat	cataaactga	aagctctcct	ggaaaaaaaa	1200
gcatacttgg	aatggcccaa	ggataggcgt	aaatgtgggc	ttttctgggc	aaaccttcga	1260
gctgctatta	atgttaatgt	attagccacc	agagaaatgt	atgaactgca	gacattcaca	1320
gagttaaatg	aagagtctcg	aggttctaca	atctctctga	tgagaacaga	ttgtctataa	1380
aatcccacag	tccttgggaa	gttggggacc	acatacactg	ttgggatgta	cattgatata	1440
acctttatga	tggcaatttg	acaatattta	ttaaaataaa	aaatggttat	tccttccata	1500
tcagtttcta	gaaggatttc	taagaatgta	tcctatagaa	acaccttcac	aagtttataa	1560
gggcttatgg	aaaagggtgt	catcccagga	ttgtttataa	tcatagaaaa	tgtggccagg	1620
tgcagtggct	cactcttgta	atcccagcac	tatgggaggc	caagggtggg	gaacccacga	1680
ggtcaagaga	tggagaccat	cctggccaac	atggtgaaac	cctgtctcta	ctaaaaatac	1740
aaaaattagc	tgggcgtgat	ggtgcacgcc	tgtagtccca	gctacttggg	aggctgaggc	1800
aggagaatcg	cttgaacccg	ggaggtggca	gttgcagtga	gctgagatcg	agccactgca	1860
ctccagcctg	gtgacagagc	gagactccat	ctcaaaaaaa	agaaaaaaa	aaaaggaaaa	1920
aatgggaaaa	cttctctctg	gccccaaaat	aggtgtctaat	tcaataaatt	atagcccttt	1980
aaggtaatat	aatattactg	gcccctaaaa	aaaataggga	agctgtttat	ttccgggttg	2040
ggaaaaacca	tattaatatg	ttttaacctt	ttaggtgggg	gcaaaaactaa	tgggggtttt	2100
tgccattgaa	agggctttga	aataaaaggg	taaagaaatt	tatcccaaatt	gtagtaccag	2160
gggttggggg	ctgggaggtt	ggattacggg	gagcattgga	tttctatgtg	gggaatttct	2220
ataaggttgg	aatggttaaa	aaggaatctg	tatttttttt	ataagtagaa	aaaaaataag	2280
gatggttttt	acagcctaca	cttcctaaaa	aaaaagggat	ttttttttta	ggggccccgg	2340
gttttttccc	tttggggggg	gggaatttaa	ttttgggccg	ggccggggctt	tttaacaccg	2400
ggggcagggg	gaaaaacccg	gggggggtccc	ccctttaatg	cccttgggga	caaaaaaana	2460
naccattgtg	ccggagg					2477

<210> 4614

<211> 1297

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (82)...(1100)

<223> similar to gill36501 in the genept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4614

cccacgcgtc	cgcccacgcg	tccgcccacg	cgtccgcttc	tgaccccgtc	ttggacttca	60
actgggagaa	tgtggagcca	tttgaacagg	ctcctcttct	ggagcatatt	ttcttctgtc	120
acttgtagaa	aagctgtatt	ggattgtgag	gcaatgaaaa	caaataaatt	cccttctcca	180
tgtttgact	caaagactaa	ggtggttatg	aagggtcaaa	atgtatctat	gttttgttcc	240
cataagaaca	aatcactgca	gatcacctat	tcattgtttc	gacgtaagac	acacctggga	300
acccaggatg	gaaaagggtga	acctgcgatt	tttaacctaa	gcatcacaga	agcccatgaa	360
tcaggccccct	acaaatgcaa	agcccaagtt	accagctgtt	caaaatacag	tcgtgacttc	420
agcttcacga	ttgtcgaccc	ggtgacttcc	ccagtgetga	acattatggt	cattcaaaaca	480
gaaacagacc	gacatataac	attacattgc	ctctcagtca	atggctcgct	gcccataaat	540
tacactttct	ttgaaaacca	tgttgccata	tcaccagcta	tttccaagta	tgacagggag	600
cctgctgaat	ttaaactaac	caagaagaat	cctggagaag	aggaagagta	taggtgtgaa	660
gctaaaaaca	gattgcctaa	ctatgcaaca	tacagtcacc	ctgtcaccat	gccctcaaca	720
ggcggagaca	gctgtccttt	ctgtctgaag	ctactacttc	cagggttatt	actgttgctg	780
gtggtgataa	tcctaattct	ggcttttttg	gtactgccca	aatacaaaac	aagaaaagct	840

atgagaaata	atgtgccag	ggaccgtgga	gacacagcca	tggaagttgg	aatctatgca	900
aatatccttg	aaaaacaagc	aaaggaggaa	tctgtgccag	aagtgggata	caggccgtgt	960
gtttccacag	ccaagatga	ggccaaacac	tcccaggagc	tacagtatgc	cacccccgtg	1020
ttccaggagg	tggcaccaag	agagcaagaa	gcctgtgatt	cttataaatc	tggatatgtc	1080
tattctgaac	tcaacttctg	aaatttacag	aaacaaacta	catctcagga	tggagtctca	1140
ctctgttgcc	caggctggag	ttcgggtggc	cgatcttggc	tcaattcaat	ctccatcttc	1200
ccagttcaag	cgattctcat	gcctcgacct	cccagatagc	tgggaattac	aggtgcccgc	1260
taccacgccc	agctaatttt	tggattttta	gtagagc			1297

<210> 4615

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (892)...(330)

<223> similar to gi3820982 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4615

tttttttttt	ttcaaagagg	aaaaaagcac	gtttgttggt	ggtaggcggg	cgtgaatggg	60
agggttcttc	accttctcca	acacctcgta	tagatgggac	gttgcagggc	aatagaaaag	120
gcagcagatg	ggggcgtggt	ttgccccact	ctgtacaata	tagaagaatc	tcatatagat	180
actttgtata	aaagccacgt	gtcctcattt	gtgtcctctt	attggctggc	tgggctgggg	240
gtactggggg	acaaagaagc	tggggtgata	gaccaggaca	cagggatacc	ccatggtccc	300
cttctcttgg	ctgtcccttg	gtggggtcac	tttggatcct	tgggtgggagc	atagcacagc	360
tccagtggcc	gggacacctt	ccagaatttc	tcattcacca	gctccagggt	cagcgagcca	420
ttcaacgtcg	tgaacgcccc	gcctccaggt	gcgatgtaga	tgggtgtactg	cttttctactg	480
acgccctcca	ggctgggcaa	agcaggctcc	tcaggaccgt	cacctcctcc	ggcaccceca	540
ccctccccgc	cacacccatc	aggtcctccg	gtgtcagagg	cgccccctcc	aggccctcct	600
ggctccccctg	cttctgtctg	ttgcctccgc	tgcaggggcaa	tgcgcagggc	caagtacttg	660
gagaggtggt	ccactgtggc	attcccagtt	gtcttcacat	acctcgtctg	gcagtattct	720
cccttctcca	cgagcagggg	gtggggccgg	aacacgagct	caatttctcc	acctggctct	780
ggggggctgg	gggccccagg	agggcttggg	gggcccagcg	ttccccctcc	cagagtcctt	840
ccccggtcac	cagagtcttc	cgaaccggca	ccccaccca	ccccaccag		889

<210> 4616

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(268)

<223> similar to gi3970850 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 4616
tggggctcct cctcctcctc cttcccagcc tccccggcag ccgccacagg ccgctcccag    60
cagccatcca cacagcgacc tgacctttaa cccctcctca gccttagagg gtcaggccgg    120
agcgcaggga gcgtccgaca tgccggagcc ttcgtggat ctcttcccg aactcacaaa    180
tcctgacgag ctctgtctt atctggaccc ccccgacctg ccgagcaata gtaacgatga    240
cctcctgtct ccttttgaga acaactgagg gccaccgggt cggggccatc cctccacact    300
ctgcatacta cccacactac ccaacacact tttccacctg ggagcctgtg ccctcagacc    360
ggcccgaccc agaggcacgg gctgag                                     386
```

<210> 4617

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(150)

<223> similar to gi951098 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 4617
cgaattaatc aggtttacag acagggtocc actggtatcc acattcttgt tattgatcag    60
atggttcaga attttcaaga tgagagttgt tttttattct ccacagtaaa agctgaaagt    120
agtgatggca tccacataat tttgaagtga tgtcttatat agactgaact gtattcagta    180
ccaaatagtc acgcttaaaa gtgtgtgaag actgaatcca agaagtcttg ggattggatt    240
ttaccatatg aaatgtttca tattgaaaac acaagatgac ctttctaatt agctgtatga    300
gaggtgaatc tcctcactgt cactgccata gccaaagcat ctcattgagag tgagcacatc    360
ggcacagcat gcatccagct ctggaggcca cgggtgcaggc atagctgcct gctgctctgg    420
cagaggccag taaatacagt tcctagaagc agcctttgct gtctttttac actgtatgcg    480
gtttggaaat gaatgtagaa acttactgtg ggcatttacc tttctgtgcc agtttggtt    540
ttattgcctg aaccttatgc tgacctggag aggagatggg ggacagtgct gttgtggggc    600
cagcagtga a tctgtatgcg gagagttgtg ttgtgctgat gtggccgttg gtggtcagg    660
aagaggctcg gcaccttctt ggaagaaatc atgtctcagg gtgtacgttt gatatgatca    720
tgccagattg gagaagatcc aagccaggaa gatgggcttg aagcaaactg cattatcagg    780
agtaaccttg t                                     791
```

<210> 4618

<211> 2403

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (569)...(1397)  
 <223> similar to gi2291143 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4618

taactttttg	ataggttaaa	aacttacaaa	aaacgtggat	agaggggggtc	tgtcttgccc	60
actagaccga	tatggttagg	ttaggttagg	ttaggttagg	ttaggttaga	acccgacatt	120
gtgctctgta	cttcctagcc	attcattcgc	ttcaagtgtc	ctgaaattta	atttaaaaaa	180
tcatagttgg	aatcctttcg	gtcactttct	ctttctccct	tcgttctctc	ctttccctct	240
tgattcttcc	ttgagggcga	aacacctgag	agaggcttct	gtccctcggc	ggctctccgta	300
agtaagtga	ccgttattgg	ctggagggcg	ctgacgtctg	attgttgctc	ggtcgcattt	360
ttccggggag	cgcggattcg	cattcccaat	tttaggtggc	agtcgcaacc	catactattc	420
ggacagatgg	cacagaaacc	gctgcgcctg	tgagtgaccg	tgaatggaag	cctctctccc	480
tgtgtctctt	tcgtgtgtct	tggcttgtgg	agatgttgaa	ggaaagtttg	atattttatt	540
caatagagtt	caagcaattc	agaagaaaag	tggaaacttt	gatctgctgt	tgtgtgtagg	600
aaattttctt	ggctccaccc	aagatgctga	atgggaggag	tataagactg	gcatcaagaa	660
agctcctatt	cagacatatg	tgcttggtgc	taataaccag	gaaacagtaa	aatatttcca	720
ggatgctgat	ggatgtgaat	tagctgaaaa	cattacttat	ctgggtcgtc	aaggatatct	780
cactggaagc	tcggggctgc	agatttgtga	cctcagtggg	acagaatcct	taaatgagcc	840
agtaccaggt	tatagtttta	gtcccaagga	tgtgtcttct	ctgagaatga	tgctgtgtac	900
aacctcccag	tttaaggggtg	ttgatatctt	gctcacatcc	ccatggccca	agtggtgggg	960
gaactttggg	aattcttctg	gagaagtgga	taccaaaaaa	tgtggttctg	ctttggtttc	1020
cagtcttgcc	acgggcttga	aaccaagata	ccattttgct	gctttggaaa	agacctatta	1080
tgagaggctt	ccatatcgaa	accatatcat	tctacaggaa	aatgcacagc	atgccaccgc	1140
gtttatagct	ctggcaaatg	ttggaaatcc	agaaaagaaa	aagtatcttt	acgcgttcag	1200
tattgttccc	atgaagctaa	tggatgcagc	agaactggta	aaacagcctc	cggatgtcac	1260
tgaaaaccct	tacagaaaat	ctgggcagga	agcatccata	ggaaaagcaa	ttcttgcccc	1320
tgtggaagaa	tcagcctgtc	agtttttctt	tgatttaaat	gaaaagcagg	gaaggaagcg	1380
ttcatccaca	ggtagagata	gcaaatcttc	tcctcatcca	aagcagcctc	gcaaaccctc	1440
tcagcctcca	ggaccctgct	ggttttgctt	tgctagccct	gaagtggaaa	aacatttggt	1500
ggtcaacatc	ggcacacatt	gctaccttgc	cctggccaaa	ggaggcttat	ctgatgacca	1560
tgctctcatc	ctgcctattg	gacactacca	gtcagtgggtg	gagctttcag	cagaggtggt	1620
agaagaggtg	gagaagtata	aggccactct	gagacgggtc	tttaagagtc	gagggaaatg	1680
gtgtgttgta	tttgagagaa	attataagag	ccatcacctc	cagctacagg	tcattcctgt	1740
cccaatcagc	tgctctacta	ctgatgacat	taaagatgcc	ttcattaccc	aggcacagga	1800
gcagcagata	gagctgttgg	aaatcccaga	gcactctgac	atcaagcaga	ttgcacagcc	1860
aggagcagca	tatttttatg	ttgaacttga	cacaggagaa	aagcttttcc	acagaattaa	1920
aaagaatttt	cctttgcagt	ttggaagggg	ggtcctggcc	agtgaagcca	tccttaatgt	1980
tcctgataag	tctgactgga	ggcagtgtca	gatcagcaag	gaagacgagg	agaccctggc	2040
tcgccgcttc	cggaaagact	ttgagcccta	tgactttact	ctggatgact	aaaacaaaag	2100
gaagaacttt	ttatgaactc	cacaggaagt	agtaaagctt	tttttttttt	ttaattaaaa	2160
aaattttttt	tgagacaaag	tctcgctctg	tcaacccaag	aggattgcag	tgagccaaga	2220
tcgctccatt	gcaacccaac	ctgggttgaa	cagtgaactc	ccatctcaaa	aataaaaagaa	2280
taaaagtatg	tctgtcatcc	agctcctatg	tctgttatcc	agctccaagt	acagcttggt	2340
tatatcaaca	ttttcaaaaa	cctttaaact	accaaataag	atccagatgt	ttttccatgg	2400
tta						2403

<210> 4619

<211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(317)  
 <223> similar to gi291986 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4619

gtcccagggtc	tcgaaaacca	aagaagaaga	acccgaacaa	agaggacaag	cggccgcgca	60
cggcctttac	cgccgagcag	ctgcagaggc	tcaaggccga	gttccagacc	aacagggtacc	120
tgacggagca	gcggcgccag	agcctggcgc	aggagctgag	cctcaacgag	tcacagatca	180
agatttggtt	ccagaacaag	cgcgccaaga	tcaagaaggc	cacgggcaac	aagaacacgc	240
tggccgtgca	cctcatggca	cagggcctgt	acaaccactc	caccacagcc	aaggaggggca	300
agtcggacag	cgagtagggc	ggggggcatg	gaggccaggt	ctcagtccgc	gctaaacaat	360
gcaataattt	aaaatcataa	agggccagtg	tataaagatt	ataccagcat	taatagttaa	420
aatattgtgt	attagctaag	gttctgaaat	attctatgta	tatatcattt	acagggtgat	479

<210> 4620  
 <211> 943  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(227)  
 <223> similar to gi34031 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4620

gtgagcaaga	cgggcgaggc	ggagaccatc	accagccact	acttgtttgc	gctaggcggtt	60
taccgcacgc	tctatctctt	caactggatc	tggcgctacc	atttcgaggg	cttcttcgac	120
ctcatcgcca	ttgtggcagg	cctgggtccag	acagtctctc	actgcgattt	cttctacctc	180
tatatcacca	aagtcctaaa	ggggaagaag	ttgagtttgc	cgccatagcc	ccggctctct	240
ccatctctct	cctcggcagc	agcgggaggc	agaggaaggc	ggcagaagat	gaagagcttt	300
cccatccagg	ggtgactttt	ttaagaacce	acctcttggt	ctccccatcc	cgcctcctgc	360
cggttttcag	ggggacagtg	gaggatccag	gtcttgggga	gctcaggact	tgggctgttt	420
gtagtttttt	gccttttaga	caagaaaaaa	aaatctttcc	actctttagt	ttttgattct	480
gatgactcgt	ttttcttcta	ctctgtggcc	ccaattttta	taaagtgttt	ttgagtgtcc	540
tatgggcggg	ggcagggtcc	aagatctttt	cccttcccca	ggccctcggg	ctccctccca	600
gateccaccc	ccagccccac	tggttgccaa	acactaaatc	tgccgacacc	catctgcccc	660
acctctgccc	atggccatga	accgcgaccc	ccactaaatt	tctagattgg	ggatagggag	720
aaaggggaggc	ccaggaaggt	ctcccttgat	tttttttcat	agtaattttt	ttccccagag	780
tttgaatttt	ttggtcttct	cctggttttt	tggcaaatta	ggggggcccg	gggctcaagt	840
gcgggaaggg	ggctggcccc	aggatcccat	ggctctcaca	ccatgttttt	gtacagaact	900

gatggttgaa tctttgttct cttgaaataa acagaagaaa atg

943

<210> 4621

<211> 666

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (72)...(498)

<223> similar to gi2950170 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4621

ccgacttcca	tctcatggac	cctccagcgg	agaagccggg	agaggctggc	ggactgcaga	60
tcacacccca	gctgctgaag	tcacgcacag	gcgagttctc	cctggagtcc	atcctgctac	120
tgaagctgcg	tggcttggga	ctggctgacc	tgggctgcct	gggagagtgc	ctgggcctgg	180
agtggctgga	cctatcaggc	aacgcgctca	cccacctggg	cccgcctggc	tccttgcgcc	240
agctagccgt	gctcaatgtc	tccaacaatc	ggctgacggg	cctggagcca	ctggccacct	300
gtgagaactt	gcagagtctc	aatgccgcag	gcaacctact	ggccaccccg	ggccagctgc	360
agtgtctggc	tgggctaccg	tgccctggag	acctgcggtc	ccgagaccct	ttggcccggc	420
tcagcaaccc	gctctgtgcc	agcccctcct	actgggctgc	agtcggggag	ctgctgcctg	480
gcctgaaagt	catcgacggg	gagcgtgtga	ttgggctggg	tagtgagttc	taccagctgt	540
gccgagacct	ggacagctct	ttgcgtccca	gctccagtcc	aggccccaga	gccaccgagg	600
cccagcccat	gatggagcca	ggctatactg	aggtctgcct	caggcggagc	agcttcatcc	660
ctggag						666

<210> 4622

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(192)

<223> similar to gi1710216 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4622

tttttttttt	ttgaagagag	acggacaggc	tctcactctg	taggccaccc	taggatggaa	60
tacagtgggtg	tgtctatggc	tactgcagc	ctcaacctcc	tgggctcaag	caattctcct	120
tcttcagcct	cccaagatgc	taggactaca	ggtgcatgtc	aacatgccca	gctaattggt	180
tttttttttt	ttttagagaga	cagcatctcc	ccaggttacc	catgctgggc	caaacacctg	240

gtctcaagaa	atccttctgc	tgtgacctcc	caaagtgcta	ggattaaaaac	atgacccacc	300
atgctcagag	tccattttca	tttctgattt	gagtaatttt	aaacttttct	ctttttttct	360
tagtcaatct	agttaatggt	tgtcaatttt	gttgatttta	ttttgaagaa	tcaacttttg	420
gtttcattaa	tttctctat	tctttttcca	ttctccattt	tatttatgtc	cactctaadc	480
cttattattt	ccctcattca	ctgtgcttgg	gtttagtttg	ttcttcttcc	atatcctgaa	540
gtattaaagt	aggttggtga	cctgaaaaa				569

<210> 4623

<211> 2797

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2800)...(1608)

<223> similar to gil931647 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4623

tttttttttt	tttctcttac	aaaactgtaa	cctttatttg	ttgatccaac	agtacgttaa	60
ccactttttac	cccatcccca	ctttacacgg	tacaccaacc	tgaacagatt	ttgtgccaca	120
atttcattca	aagggtttgt	cattcacttt	atgattgtgc	tggataatct	agatgtaagc	180
aactctggag	attttaaaat	atgggtcccc	tggtatgaaa	gtaggcatag	tttatagcat	240
acttttaaaa	atggcattcg	gtaattttgc	cttctggaca	gaaagatata	ttcaaattgc	300
aaacacatct	atttccacaa	aacaatttgg	tcaggaaatt	ttatttgaac	attctaaagc	360
aataatgctt	ttagatgtta	cttaagtgtc	ccagacagga	ttaacaaaat	taagtgtctc	420
taaattacaa	atttggctcc	tgtaggagtc	tcagaaaata	aacagaagaa	aacaaccccc	480
ctcccgaag	aagtatgaca	cacacatttt	gaagaaaccc	caatgtttca	tgcaatggta	540
ggcaagatgt	aaaagcccac	ccaaatcaca	catttctaca	ccaatcatca	taagaaaaaa	600
gtactctgta	gtcgatctgt	acatccaaat	gcatttggga	atctacacct	acgttacatt	660
atttaatggt	atatacattt	attaccacc	ccccttggtt	ttaataattt	cttatgtaaa	720
accttcattc	aaacccaaaa	gatttaagac	taacttgggg	ggaaaaaaga	taatcacttt	780
agacattcag	ttaaaatgta	gtttatctaa	atctcaaaat	gtttaataaa	aacaagtata	840
ttctccattt	aacactttgc	tttctaactg	tacagtaaat	tgcattgtag	agagtacact	900
tctgtcttca	aactgtatct	tctttggatg	gaattaagat	gtaactgtat	agttttaaga	960
taaataaatg	ggaagtgggt	ccaactaaga	tgacagcaga	tatattacat	gcaggattta	1020
atattttcta	attctctctt	ttaaaaaaa	ggatgctgtt	ggattgggaa	aaaaaaaaag	1080
tcaaaaaaga	accagatttc	aatatataaa	aatgtcccac	aataggtcga	caatggcagt	1140
aaaaataaga	ggaaaaaagt	aatctttctg	gaacatcatt	tttcaataac	atagaaacac	1200
taagtgccag	gaagattcct	attcatgtaa	ttttagcatc	caagtttccc	tctatttatt	1260
ttatttgaac	aatgctttta	aataaaactat	ttgtcctctt	cactgaagag	agctggtcta	1320
tttcatcttt	aatgagctag	tttttgggaa	gattagccat	gtactgtagt	aatgcctact	1380
gcataaaatc	caagcatttg	ctgtgaacag	ttggagaaag	cagtcaggaa	gaacctagga	1440
tcaatggaaa	tagatgttac	tttaagccac	cgacgaaaga	gagaccaca	aagtaccacg	1500
tgtgttaaag	cccaaatact	ttcttgcggt	tgtttggttt	tgctgtgcaa	gttccacccc	1560
tatgaaaaag	aaattgatcc	aaagttccag	gttttcttgg	gtctctagtc	aattttcaca	1620
ttagtataga	tttttcggac	aaaggcactt	gttcccatgt	aaccaatcgc	tccacacatt	1680
atccccaagg	ctgtgtctaaa	taccgccata	tatccaaagt	aaaatgatgt	ttgaaataag	1740
ccatacatct	ttgttttgaa	aaaatagtag	taaaaggaat	acatgtaaac	atagattgca	1800
gttgatgcag	cagagagaaa	acttgtccat	tgccaccggt	aatcttctgc	atttagtaga	1860



aaatatgtgc	acacaatagt	cacacagaca	gtcacaatgc	acaggataac	cagcaccagc	1920
atcatgaagc	catagacata	atagatctta	tatgcccgaga	aagacgtgaa	gatgaaatac	1980
atttcaataa	agattgaacc	aaaaggtaaa	attccacca	ggcaaacaat	aaccgcaggc	2040
tccatgaacc	atTTTTtctc	cggatatagga	cgaggcacag	cattgacacg	acaaggaaaag	2100
ttgggctgac	ctgacagatt	tcggccaagt	attgtacca	caagatttag	aggaagaata	2160
acaaaaaac	agatgcaaca	aacggccacc	attgttccaa	aaggaaatggc	tcttgaagca	2220
tggtaataaa	tggctatgaa	attgatgaag	aaggcagtgc	cacacaccat	agctgggata	2280
aggaatgccc	caataaacat	ctgctttatc	catctccttc	ctccttgtct	agcatacaga	2340
cttcctccaa	aataaccatt	cactggagac	gtagcagcat	agacaaatat	ggctgtactg	2400
agcattgata	ccctctcagt	atataaatct	tctatcattg	caacaataat	aacgatgaga	2460
gacacagcaa	atatctgaca	tccagaacca	atcagagagg	aaaatatcag	tgggtgactt	2520
gatggtctaa	atacatctcc	atgcacctgt	ttccatccat	attcatctcc	taggtctcta	2580
tccatatcat	ccatttcttc	ctctttactg	taccgagcat	aatcttttct	taatgttctc	2640
attaaaatca	ttggggctaa	gccaccaag	aagatcacca	tcatgaagta	gttgaagatt	2700
gatagccaat	gaatctgatg	ttgaaaaaag	gtcggatcaa	catatttgtc	gattcgatct	2760
tcggatttct	catttgactt	tttccatttg	aacgaaa			2797

<210> 4624

<211> 2112

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)... (516)

<223> similar to gi4007773 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4624

tttcgtatga	tgatcataat	ggacacatag	atttcatcac	agctgcatca	aatcttcgtg	60
ccaaaatgta	cagcattgaa	ccagctgacc	gtttcaaaac	aaagcgcata	gctggtaaaa	120
ttatacctgc	tatagcaaca	accactgcta	cagtttctgg	cttgggttgc	ttggagatga	180
tcaaagtaac	tgggtgctat	ccatttgaag	cttacaaaaa	ttggtttctt	aacttagcca	240
ttccaattgt	agtatttaca	gagacaactg	aagtaaggaa	aactaaaatc	agaaatggaa	300
tatcatttac	aatttgggat	cgatggaccg	tacatggaaa	agaagatttc	accctcttgg	360
atttcataaa	tgcagtcaaa	gagaagtatg	gaattgagcc	aacaatggtg	gtacagggag	420
tcaaaatgct	ttatgttcc	gtaatgcctg	gtcatgcaaa	aagattgaag	ttaacaatgc	480
ataaacttgt	aaaacctact	actgaaaaga	aatatgtgga	tcttactgtg	tcatttgctc	540
cagacattga	tggagatgaa	gatttgccgg	gacctccagt	aagatactac	ttcagtcatg	600
acactgatta	atacaagttg	tcttaacgtt	actccaggac	cacttgattt	tggaaagagt	660
gcacttaatt	cagaagctaa	agaaaatcag	ttcataatac	tatggatttc	tctttcatta	720
agccttaatt	ttaaggga	catcagtaag	aaactgcact	gaagaattat	aaaacatttt	780
ggggcatagc	atacacttgt	ctaacggttc	acacgtggct	attatcacia	gcaactttga	840
actggaatgc	tatttacaaa	agtttttgtg	attaatctgt	gtattaatct	ctctggataa	900
aaagaaggaa	aaaatatgta	tgaccagaat	agatatggat	gaagaaattg	aaagcaacga	960
atgcaactat	tcaaaaagtt	taattttatg	aatttctttt	ttgtttagtc	ttgaagactg	1020
attttctatg	caaatagtgt	ttggcatcct	gcacctctga	tatgatttgg	ctttgagaat	1080
ttaataccac	tgggaagaag	tatggtagt	gtggatgaag	ggtggatatt	ttaaattgtg	1140
cagttacagt	ttactgtcct	attacctctg	ctcgtttaac	cagtttgtaa	tatcactgtg	1200
tcccaaaaat	caggattttt	gttgatagca	tcagtgttgt	aggagcaata	ggtcagatga	1260

gacatattaa	cttagactaa	acgtgaacag	tattatatgg	actctcacia	cgctcttaga	1320
gaatccgtga	atgtgaacag	acaaatgtgg	ctaaccattt	gattcttcag	tatgccttct	1380
aatgtggcta	ttttatttat	gtgagactct	aaacctgatt	gtcctaatat	ataaaactaa	1440
aagattttgt	aaagggagtg	tctttagaaa	tagatgaaat	gtagaatgtt	aaaaattatt	1500
gctagggtag	tctttttttt	ttccagaaac	ctaattaggg	tattaaattt	tgggtttttt	1560
ttgttttttt	ttttaaacia	aacctatgta	tttctttccc	attcccaaaa	ggggagttaa	1620
tgaaaataaa	aattttattt	ttaaggtctt	tattgaaaaa	aactttgttt	tctgatatga	1680
actattgcaa	aggtttttat	aaatactttc	attaaaatga	tgtaaacagt	agtaccaaac	1740
actgtaaact	cagtgtaaa	agtaaataat	tcttttatta	ctaagactgt	catgcattct	1800
gaagcagttg	gctttttttt	aacctatgga	agtaatttcc	ctctagctcc	tttcttcta	1860
ctctcctgct	cagaccatta	gtaggtactt	tgtaaataaa	aaaactagat	taacatcaat	1920
attactccaa	tttggtatct	tttacctat	gtattatacc	tactttcttt	ttatttcatt	1980
tacaaatagt	ttaaattact	ttatcaacca	gctgtattgt	ttccctcttg	taaaagtacc	2040
atcaagtggg	gaaaatgtat	gtggaagtgg	agagtgaatt	tgtatgacta	aaggataatc	2100
tgtacatggg	ga					2112

<210> 4625

<211> 1513

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (388)...(596)

<223> similar to gi5911988 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4625

cttttttttt	tatcattgat	aggactaaac	tgtcttcaac	ttactaactg	gagtttcttt	60
accagcagc	tcagagcagc	gagaactaca	gaaggcgagg	aggagacaga	gagcaggtaa	120
cggggcttta	ccgtgacagc	agtgcgttcc	cctgtctccac	actccactg	actcagctct	180
gccaatgcca	ctatcaaggt	ccttgcaaaa	atctgggttt	cttttgtctg	gaaagggctg	240
gttttctcct	ctgaaactga	accccaactg	ttggccctat	ttaaatctca	ggtcttggat	300
ttcttactta	cataagcagg	ggcttaggta	atagagtggg	ttgtgcctgt	ggagcctccc	360
aatcagctct	caacctcctc	tggtggcagg	gtccccggca	gcacacggcc	acagcgctcc	420
ttcctctcaa	gggtgggtccg	ggcagcccta	cccctgcagc	tgctcctcct	gctgctgctg	480
ctcctggcct	gctgctgcc	ctcctccgaa	gaagactaca	gctgcactca	ggccaacaac	540
tttgcccggg	ccttttacct	catgctgagg	tacaccaatg	ggccaccccc	cacatagagg	600
gcatagctgg	ccacagtget	acaccacctg	cctgattgcc	aagggtgccc	agcacgtggc	660
cccagaccaa	tctgagtgc	ttagtgttgg	caaggtcccc	ggacctgtgc	agacttcttc	720
tgggcttacc	cagcacgggc	tccttgagc	ccagggcagc	tttcagattg	tgttcctccc	780
caggagcagg	gaacctgtgt	ggcaggtgcc	ccgggtattt	tggcagaact	agttgattag	840
tttagggatc	tctggaaatg	tcagtttcc	gaagagccaa	gcactttgtg	aattctgggt	900
tgtttgtaaa	acagcattat	tataatgtag	gtatggtcaa	tgagcagtgg	tgtccatcac	960
atatattata	gaagcaagcg	aggacattcc	accctagaaa	tggttcagaa	actcataggc	1020
acccttagct	gatggaaaca	atcaatcata	tttaatacgc	ttagaatcag	ttttactcca	1080
atcagctggc	aattttgagc	tgccggttat	acaccaaact	gttctgttca	gtacctagct	1140
ctgctctttt	atattgcttt	aaatttttaa	agaaattgta	ttgcatggat	gtgggtattt	1200
gtgcatattt	tttaacaatg	cccaatctgt	atgaataatg	taaacttcga	ttttttttta	1260
aaaaaattag	attttagctg	gagcttttga	ctaattgtaa	gtaaatacca	aactaccgac	1320

ttgataggga	tgtttttgta	agttaatttt	ctaagacttt	ttcacatcca	aagtgatgct	1380
ttgctttggg	ttttaactgt	ttggccacgg	cgggggtggg	ggcggggggg	tggtacaaaa	1440
acttgaagct	gtttgtgata	tgtacaactc	agatgtttct	cattaataaaa	caaaattagc	1500
cagaaaaaaa	aaa					1513

<210> 4626  
 <211> 1085  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1086)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (891)...(637)  
 <223> similar to gi180950 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4626	
ttttttttat	aggtggagaa attcaggctc aatcaacact tctttattga agagaccacc 60
cctgtgtata	gactttggag tggccctggg ggagataagt gtgggtggga gagaagatcc 120
caaactacca	aaagtttgct ccatgtcaca acctgcccta ggctccagg ccaatgtgaa 180
cagacaggca	caaggttgag caggatggat ggtaaattgcc aagctgggtg cagtgcacagg 240
ggcagtggca	gtctgggtcg acctccata aagaagggat tcacaaggag acattggaag 300
gttgggagga	ttttgaagaa ggggaaaaaa aagaggtttt cctgaggct ggaaaagctg 360
agccacagtg	tggtttttga cagggcctgg cctaaactgg atgtccacag ttgaagtaga 420
ggggcatcat	gggatgtcag gctggaaagg gcagtgcagg tcccacacaa caggcaaaag 480
ctctagcttt	ggcctggagg cagcaggagg ctctgcagt tctaaactgg ggtgggtaga 540
actcttgtcc	ccaggatatgt ccatggctag tctccccagg gcctggatgg tgggggcaaa 600
cccctctttg	gctccttcct gcatagccac ccttagaatt gcctctgctt ctccaggtctt 660
tgagactggt	acagactcat ccaaaaagcc atcttcttct ccttgagctt catgcccact 720
cttgtggtaa	aatccagctg cagggtacttt tcatccttgt tgtagcgtgg ccagcagggc 780
agattcccat	cattgggggtt tctgtgcgg gcaaagttgg ccaggtattt catcatctgg 840
aggctaagtg	ccttctcctt acctatggaa aggcctgggg gcagaatggg atgtgggatt 900
tcggacagag	caggggacac tgacctccca cctactcct gctgcttctg ctgcttccgg 960
agcagaagac	tttcatttgg gagagcataa cagattagga actggtgagc tccctgtggc 1020
cagccaatgg	aggggtgggt cgaattccac cacactgcac tagggtcagc gaactcaagn 1080
gcgcg	
	1085

<210> 4627  
 <211> 1061  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (781)...(563)  
 <223> similar to gi4106984 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4627

tttttttttt	ttgtgttca	cccaatgatc	ttttattatc	aggtatcctg	gctggcccag	60
gacccagaga	cagacaagct	ggggccaagc	agggcgagac	atctgagacc	cattttacag	120
gtaagaaaga	caaggagcag	aggcctgcat	gaaactgcag	taagcagcag	gcgccagggg	180
gccaacccc	actggaatcg	cctgccctgc	cctgagcctg	gcccacagtg	gctgccacat	240
ttcagacagg	gcagtgagtg	atgggatgtg	ccctttgccc	cctctggtag	ggcgtggggc	300
tgggggaagg	agcaggacag	taacatccgt	gctgctggct	gggacccaga	agtggctggg	360
acatgggggc	tgctttcttc	tgtgtagagg	cctccctaca	aggctcccc	ctcccccgac	420
cctttaccta	gggcctgcc	gaaaacactt	ctcattgtga	aggggacaga	actaatgggg	480
gacagtggag	gacatggatc	tacccccatt	cctgagtcac	acgactcacc	cagagtcacg	540
gcccagactg	ggcctggggt	catggcgcca	ggttgcccct	ctggcctgtc	cacagctctc	600
ggagctcgac	atgacaaccc	aggtcccgc	gggcggcctt	ggccacgtcc	tcacagtcac	660
ggtgggcaga	tgggcctgc	atgatgagtg	cctcagcccc	caggtccagg	atgggcttcg	720
agaaggcctg	gccgtgggcc	accaggtttc	ggatcagcat	gcaagcctgt	ttctgtagga	780
gagagcagct	gtgagctgcc	agatggggct	ttgaggtggg	gtccactctg	acctcagggg	840
cttcatcata	acaagatgga	ggtgatcata	accacagctg	acatccagca	gctgcctata	900
ctgtatcaag	ctagacccat	ctctctactt	tacctctctg	gcagccccac	aaggcatggc	960
taactcccag	gcaaggaaac	aggctcaggg	aagctccaag	atctatccta	tggctttgga	1020
actctcagcc	tcagagttgg	tgagcctgag	gtcccacgaa	a		1061

<210> 4628  
 <211> 1096  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (7)...(581)  
 <223> similar to gi5689736 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4628

tttcgtccca	ctccatctct	cccggccagt	tggaagtact	cctccaatgt	ccgagcacct	60
cctcctgtgg	cctataatcc	tatccactcg	ccgtcttacc	cactggctgc	tctcaagtct	120
cagccatcag	ctgcacagcc	ctccaaaatg	ggcaagaaaa	agggaaagaa	acccctcaat	180
gcattagatg	tcatgaagca	ccaaccgtat	cagctcaatg	catccttggt	tactttccaa	240
cctccagatg	caaaggatgg	cctccccag	aagtcatcag	tcaaggtcaa	ttcagccctg	300
gccatgaagc	aagctcttcc	tccccggcca	gtgaatgctg	cctcacctac	gaatgtgcag	360
gcttcgtcag	tgtactcggt	accagcctat	acctctctct	cttccttctt	tgcagagggc	420
tcctcaccag	tcagtgcac	cccagtgcct	gtgggcattc	ccacctcgcc	aaagcaagaa	480

tcagcctcat	catcttattt	tgtggcacca	aggccaaagt	tctcagccaa	gaaaagtggt	540
gtcacaaattc	agggtgtggaa	accatctgtt	gtggaagagt	aatctttag	ctgaagctga	600
gtgtccactt	tgcttgaaat	gaattgtttg	cagtgtttct	tgagtccttg	agaatgccta	660
gcaaagtcct	caacttactt	aatttcagat	atgtcacctc	ctaactctggg	tccaaggagt	720
ataatatttt	taatgagtca	aaaatccaac	tcagattgac	ctaaaatata	tttatcttct	780
ttgcacactt	aaaaaatcca	ggagcacccc	aaaatagaca	tgtaccgtta	tattaagtaa	840
gcaggagact	taggatttgt	gctgtagcca	caagaaagac	agtgatcagt	gatatcaaac	900
atcaggaatc	agcctttatg	taacataaca	gctgtccttc	tatggtgaaa	ggttcaaagt	960
tagtgaaggt	ataacctata	ttgactgaga	tttccctttt	aggtagtgcc	ttatctctat	1020
tactagtgtt	aaaggaataa	ggaatctatg	aaggacaggg	agcagctctg	gtctgtcaat	1080
ctcagccacc	tgtttg					1096

<210> 4629

<211> 1490

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (34)...(696)

<223> similar to gi4138215 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4629

aactcctgca	tcatggaaaa	tgggcaccag	ccgggggag	agaagaattc	ctctttcacg	60
tggtctgtgc	caagctctgg	ctacggggca	gtgacagcaa	gcaaacacag	caatagccca	120
ccgctgggtga	caccacccca	gtcgcccggtg	tccccgcagc	cgccagccat	aactcaggtc	180
catcggcagg	gggagcgctg	cagggagctg	gtgaggtcgc	agacgctgcc	ccgcacctcg	240
gaggcgagg	cccggaaagc	attgttttag	aagtgggagc	aggaaacggc	ggccggcaag	300
gggaaaggcg	aggcccgggc	caggctgaag	cggtcgagca	gcttcggcgt	ggccagcgcc	360
agcagcatca	agcagatcct	gctcgagtgg	tgccgcagca	agacgctggg	ctaccagcac	420
gtggacctgc	agaacttctc	ctccagctgg	agcgacggca	tggccttctg	cgccctggta	480
cactccttct	tccccgatgc	ctttgactac	aactccctga	gccccacgca	gaggcagaag	540
aacttcgagc	tggctttcac	catggccgag	aatctggcca	actgtgagcg	cctcatcgaa	600
gtggaggaca	tgatggtgat	gggccgcaag	ccggacccca	tgtgtgtctt	cacctacgtc	660
cagtcgctgt	acaaccacct	gcgtcgcttc	gagtaaagcc	cctgagcctg	gattgccaaa	720
gagcagcccc	aggaagaggc	cgggggtccg	cttgcgattc	cccagccagg	atgccccag	780
gagccttgcc	gtttggtgtg	agcgcgctgt	ttgttctgtg	gcatgtgacg	gcaactccct	840
tcgagcccag	ctgtgttact	gattaaaagt	actgtgagc	tgtggtccga	cagcactgat	900
cccagccaag	ggcttgagg	aaaaggaaaa	attatgagag	agagagagcc	cttggtgcta	960
agtaatgac	ttcctaaaga	aatgcttgtg	tttatagctt	ccagaatgct	aatctacaat	1020
tttccctctg	gtgaattcga	tacatcggtt	ttacaggggt	acagtgatta	ccaagtgttt	1080
ttttttatca	aaatacccag	agttttttac	ttcctcacgc	gattgtaggt	tcctctcctc	1140
cctccctctg	ggccactgcc	aggaaacaga	gagaccgctt	aatcagcagc	ttgacaaaga	1200
agacctcaag	tcttgggaag	aaacagttta	atcactccca	agtccctggc	aacagatgac	1260
cttcaagtca	cctccgctct	ccggggagat	gggaaggctc	tcctctcggt	cccaaagtcc	1320
tcctgttctt	cccaggaggc	cccacaagtg	tttggctaag	cacaggctct	cggaatttta	1380
acacttttgg	ggaaggaata	ggccctttgt	gctgaaaaaa	agtttttatt	cacatctttt	1440
ttaggggatt	tgctgcagat	atttataaaa	agtaactccc	tctgtaccac		1490

<210> 4630  
 <211> 2030  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2031)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1993)...(893)  
 <223> similar to gi5565872 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4630

gtgacatttt	ttcatacaat	atgtaatgta	atcatattaa	acatttagac	accctcacat	60
aattatttaa	gggcctagta	gatgaaattg	tatttcacag	aaacaaggat	aagttgagat	120
ggagacacag	tgccatgtct	cagaagtcac	tggaaagcac	ctgatcacca	tagtaaagat	180
ggccaagggc	ttctgacctg	attaaaataa	ggagtcatat	aagaaatggc	tttattagaa	240
aaaatgtagt	gtacatgtgg	ctaatttcca	tcctcgatat	acctcttggc	tattttatca	300
ttaaaattgg	atacaggggt	tgaacttctt	tagaagttag	tggcatatct	tcctattctg	360
atatgtgact	tagggaaggc	gttatcttca	tatgatagac	accttttatt	tcttttcata	420
attacaagta	atcagtagtt	tagcactggc	acaaaacaga	gagagaatta	cttaggtagt	480
gctttatgtg	taagaagtca	cacttccaac	cccagaagca	ggcacaggta	tgccatctgt	540
agagttttta	aatccccctat	tatcactcaa	gtctccatt	attattacct	agtagtaatt	600
aaattaatgt	gataatctgt	aacctaacaa	aacctctgaa	tgaagtttct	ttcttctccc	660
tcttttctctg	ttagatgtgc	aattctgagc	aatgtgtcag	tgtgcagtat	tgatttccag	720
cctcctttta	aactccttca	agtctgtgct	attaaacgga	gacaaccaca	tcaagataga	780
gtctgtcata	ggattccctg	aagcacagaa	tgaggaggag	actgagcaaa	cacgaccctg	840
gaaggcacca	ggtgaaccaa	gacaactctg	tatgataaaa	tgtgagaaaa	aataaaagta	900
ctcccataaa	catattactt	aaaaaagtga	caactccaca	agtaattcct	tctggaactg	960
ggtagacagt	ttccacaaaa	agctcaaaaa	atataggcac	gctgctattc	aagaacactc	1020
ccaggagaat	acaggaggca	tacaatgtca	ctgtgggtta	aggtaggtgt	gtgatgctgt	1080
tcaaacaggt	caggggtgaac	cacgtggatg	acagtgtagc	ttccgaaaac	aggaggagaa	1140
gaattagttt	cagcataccc	ctgataaaat	ctgcaaacct	tgccatagct	attccaacaa	1200
cacagcctcc	aactatggac	caaaatccaa	tccagccagc	atctacttgg	ctgacatgcg	1260
ctggtgttaa	aattaagtcc	agaactccag	accagccagc	aaatacacca	agtgggtatgg	1320
catatgctaa	agcaatcatc	aaaaatcgaa	aattgcttaa	taatctacaa	acgcttctcc	1380
gataactcag	ccgctggcta	gctgcagcaa	cactggggagg	aagaggagggt	cgggggtggga	1440
aataagctag	tgttgacgaa	aatattaagc	agacaactcc	aaattctgca	tataacacag	1500
cctctatgcg	atcttttaata	tgcgccctgc	tgctctctgc	agcaagaaga	ggtgatgtcc	1560
cattgggagc	tggacaacaa	agtgggtccaa	ctaaaaatgc	acatgctccc	ccaagataac	1620
tgagcattga	tgcaatagct	gtggctgtgg	ccctttcatc	tgcagaaaac	cacgtcgtag	1680
agagaaatgg	tgctgcattc	attacagttg	gacctgccaa	tccatttaac	atctgtcctc	1740
catgaattaa	tcttctttta	aggattaagt	ctgatatagg	tatgcatctt	agaccagttc	1800
ccaaaaccat	aaggaaggat	gtcaggagca	cagttatccg	gagacctctc	ttgtccagga	1860
gccacatgaa	cgcgaagcag	ggcaggaagc	cgatgggccc	ccacagcacg	agcagcgcga	1920
tgtcccagct	ggagaagccg	taggcaaggc	gcgcagagtt	ctggatggga	ccccagggtg	1980

tccagtcag gccctaccga acgccagcag tnnnnntttcc acactcatct

2030

<210> 4631

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (808)...(187)

<223> similar to gi5689537 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4631

tttttttttt	ttgaagacta	agggtaagct	tttatagttg	attaagtcac	acagtgc aaa	60
gaaagggcca	ttgacccttt	tggtaaaagg	agggctggaa	gccacacaga	ttaagttcaa	120
tgatagatcc	gtatatacat	gtgatgagga	acacccaaac	taaatttttg	cttcttaggt	180
tggtcattct	gaatcccgat	gcacttctga	agcatcagct	cggcaaattg	ggcaagtacg	240
atttgcccta	agccatttgt	caacacactt	ggcatggaac	tcgtgggttac	agggt aagac	300
tctaagtagc	tgcccttgact	caaaatcaca	catgcatact	acacacaaag	tctgttctga	360
ctggtgggtg	ttaggattga	accgataaga	aggaagttgt	tcaatatctg	ctttagtcag	420
tccacgaggc	tttgcctctc	ccagtcgctc	tgccagggtt	aacagggcct	cgtaattttc	480
tacttctcca	tcttctacat	ctaattcaaa	gctgaaaagt	gggccactg	caggtggcac	540
tggaagcatt	gataacacat	atggcagtaa	gctgggatga	taagggggag	gtggtattgg	600
ctgctgggat	cggtatctac	tacgtcctgt	aagcctccga	ggcataaatg	gaggataagg	660
tactccaaag	gacacctcct	gatgcaaagg	atcatgtgtt	aagaactgca	aggagctga	720
tggaggtaat	gttggggggg	gggctgatgg	agggt aagta	aaacctccta	ctggaagatg	780
ttctcctaag	agttccactt	cattttctct	gtgccg			816

<210> 4632

<211> 3775

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2229)

<223> similar to gi3327150 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4632

gctaagagga	gtccctgtgt	gggcagctgg	agccttcaga	ttctcttcag	gggaagagtc	60
cacatcccac	ctcatcatgt	cccgaagaag	ccagcgctc	acgcgctact	cccagggtga	120

cgatgacggc	agcagcagca	gcggagggag	ctcgggtggct	gggagtcaga	gcaccctggt	180
taaagacagt	cctctcagga	ccttgaagag	gaaatccagc	aacatgaagc	gcctgtcccc	240
agcgccacag	ctgggcccgt	cctctgatgc	acacacctcc	tactacagtg	agtcgctggg	300
ccacgagtc	tggttcccac	ccaggagctc	cctggaggaa	ctgcatgggtg	acgccaactg	360
gggtgaggac	ctgcgggtgc	ggaggaggag	aggcacgggt	ggctcagaga	gcagcagggc	420
cagcgggctt	gtggggcgca	aggccaccga	ggacttctctg	ggctcttctt	cgggctactc	480
ctctgaggac	gactacgtgg	gctactcgga	tgtggaccag	cagagttcca	gctcgcggct	540
ccgaagcgcc	gtctcacggg	cgggctcctt	actctggatg	gtggccactt	cgccaggccg	600
gctcttcaga	cttctctact	gggtgggtgg	caccacctgg	taccgcctga	ccacagctgc	660
ctccctcctt	gacgtctctg	ttttaaccag	gcgcttctctg	tccctgaaga	cgttcctctg	720
gttctctgctg	ccgctgctct	tgtgacgtg	cctgacgtat	gggtgcttgg	atttctaccc	780
ctatgggctg	cagacattcc	accctgcttt	ggtttctctg	tgggcagcga	aggacagcag	840
gagggcggt	gagggctggg	aagccagaga	ctcatcgcca	catttccagg	ctgagcagcg	900
tggtatgtcc	cgggtacact	ctctggagcg	gcgtctggaa	gctcttctg	ctgaattttc	960
ctccaactgg	cagaaggagg	ccatgcggct	ggaacgtctg	gagctgcggc	aaggggctcc	1020
tggccaggga	gggtggtggtg	gcctgagcca	cgaggacacc	ctggcgctgc	tggaggggct	1080
agtgagccgc	cgtgaagctg	ccctgaagga	ggatttccgc	agggaaactg	ctgctcgcat	1140
ccaggaagaa	ctgtctgccc	tgagagcaga	gcacagcaa	gactcagaag	acctcttcaa	1200
gaagatcgtc	cgggcctccc	aggagtccga	ggctcgcctc	cagcagctga	agtcagagtg	1260
gcaaagcatg	accagggagt	ccttccagga	gagctctgtg	aaggagctga	ggcggtcgga	1320
ggaccagctg	gccggcctgc	agcaggagct	ggcggtctctg	gcactgaagc	agagctcggg	1380
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tcagttcccg	gcctggatca	gtcagttcct	tgcccagaggt	ggagggggcc	gcgtggggct	1500
ccttcagaga	gaggagatgc	aagctcagct	gcgagagctg	gagagcaaga	tcctcaccca	1560
tgtggcagag	atgcagggca	agtcggccag	ggaagccgcg	gcctccctga	gcctgacgct	1620
gcagaaagaa	gggtgtgattg	gagtgacaga	ggagcaggtg	caccacatcg	tgaagcaggc	1680
cctgcagcgc	tacagtgagg	accgcctcgg	gctggcagac	tacgccctgg	agtcaggagg	1740
ggccagcgct	atcagcaccc	gatgttctga	gacctacgag	accaagacgg	ccctcctcag	1800
cctcttcggc	atccccctgt	ggtaccactc	ccagtcaccc	cgagtcatec	tccagccaga	1860
tgtgcaccca	ggcaactgct	gggccttcca	ggggccacaa	ggcttcgccc	tggtccgcct	1920
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caacagcact	atctccagtg	cccccaagga	cttcgccatc	tttgggtttg	acgaagacct	2040
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gacgtttcac	tttcaggccc	ctacgatggc	cacgtaccag	gtgggtggagc	tgccgatcct	2160
gactaactgg	ggccaccccc	agtacacctg	catctaccgc	ttcagagtgc	atggggagcc	2220
cgcccactag	ccctgcttac	tgggtgcctgc	tgccagccat	ctgggagtgg	gtgaacagca	2280
ccccgcgct	tccccacac	gcttgctcgg	cgctctgact	tctaggagca	caagagagga	2340
gcctgtggcc	ccatgcagat	gaaaaggacg	ggcagggctc	cctgagcagc	aggtggctcg	2400
aggcggttag	caggctccag	cagctccctt	cttccctccc	tctgtgcccg	tggcgctctgc	2460
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ggtgccaggg	ctgtgggagg	ggcaagctac	ggcctgggct	aggtgagctg	cctctgcccc	2640
tgggcaagga	agcgaggccc	tctgggagga	gggtgcttag	ctccagagca	ggatgggact	2700
tccccaggca	ggaagcactt	gatggagagc	tgcccagctc	tcctacaagg	ttagtgcctt	2760
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ttgcttttct	ctctcctgat	gctaggttgg	ggcccaccct	gctccctggt	cctgctaggg	3000
cctgccagtg	cccctgagct	tgctttccac	attctccag	ggtagggaga	cctagacctg	3060
tctttggggc	cattagcatc	tggggttata	gcaagaagag	tggggagcat	ggaactcctg	3120
ggctcttgtg	gggacgttca	gggtatcggg	gtgcgaggtc	tgtctgcacc	ggccccaca	3180
tctaaccagg	ccctgatgta	ggggctgctc	gtcaggctg	cccccttggg	ctcttgacgc	3240
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agcaggcccc	actgtattat	gtatatattt	ttcaaggctc	gtttttctaa	ctgaaaagct	3420
aagggcttga	ttcctagccc	cgttctgtgg	ggcactgggt	gatactcagt	ttcttgttcc	3480
tggccgtgga	gaggggcctg	gggcactggg	tccggctgtg	tctggtgggc	tggctgcggg	3540



gaaggggcaa	gaaggcgggc	aggccttcac	tgcagcactg	agcctcaa	at	3600
gcatgaggct	ggatgcagtg	gtgggtgaggc	cgccccgctc	catcccgagg	cagccagggt	3660
ttgttttgcg	ctctcctgtc	acaaatgctg	cactattggg	tcttaagttt	tttatctcca	3720
gacctaatt	tatgcctatg	caaaaaataa	atgacgcca	agagcaaaaa	aaaaa	3775

<210> 4633

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (26)...(462)

<223> similar to gil359830 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4633

gaattccccg	gtcgacgatt	tcgtatcggg	ctcgatggag	gaagacgtgg	acacgagccc	60
tggcggcgat	tactacactt	cgcccagctc	gcccacgagt	agcagccgca	actggacgga	120
ggacatggaa	ggaggcatct	cgcccccggt	gaagaagaca	gagatggaca	agtcaccatt	180
caacagccc	tccccccagg	actctccccg	cctctccagc	ttcaccagc	accaccggcc	240
cgtcacgccc	gtgcacagcg	ggatcgcccc	gagcccacac	ccgtcctccg	ctctgcattt	300
ccctacgagc	tccatcctac	cccagacggc	ctccacctac	ttccccaca	cggccatccg	360
ctaccacact	catctcaacc	cccaggaccc	gctcaaagat	cttgtctcgc	tggcctgcga	420
cccagccagc	cagcaacctg	gaccgtcctg	gtatctggga	tagcaaaggt	cttcttccct	480
cgcccccttct	ccatcgctccc	aggaatccca	gggggcagca	cagccggccc	ccggcccacg	540
ttttcggtgg	aaaattagag	tgaacaagaa	caccctgcc	gactcccagc	ccggccaaaa	600
agacaaaaca	catagatgaa	at				622

<210> 4634

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (171)...(757)

<223> similar to gi532812 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4634

gtcaggcccc	gtcagcagcc	tggctcatgg	ctgtgtgcgg	cctggggagc	cgtcttggcc	60
tggggagccg	tcttggcctg	caagggtgct	tcggcgccgc	caggctcctg	tatccccgtt	120

tccagagccg	cggccctcag	ggcgtggaag	acggggacag	gccacagcct	tcctcgaaga	180
cacccaggat	ccccaaagatt	tacacaaaa	cgggagacaa	agggttttct	agtaccttca	240
caggagaaaag	gagacccaaa	gatgaccaag	tgtttgaagc	cgtgggaact	acagatgaat	300
taagttcagc	tattgggttt	gctctggaat	tagtcacaga	aaagggccat	acatttgccg	360
aagagcttca	gaaaatccag	tgcacattgc	aggacgtcgg	ctcggccctg	gcgacaccat	420
gctcctcggc	cggggaggct	cacttaaagt	ataccacgtt	caaggcgggg	cccattcctg	480
agctggagca	gtggatcgac	aagtacacca	gccagctccc	accactcacg	gccttcaccc	540
tgccttcggg	aggcaagatc	agctcggcgc	tgcatttctg	ccgggcccgtg	tgccgcccggg	600
ccgagagacg	tgtggtgcct	cttgtccaga	tgggagagac	cgatgcgaac	gtggccaagt	660
tcttaaacag	actcagtgac	tatctcttca	cgctagccag	atatgcagcc	atgaaggagg	720
ggaatcaaga	gaaaatatac	aagaaaaatg	acccatcggc	cgagtctgag	ggactctgaa	780
atcacagaaa	gtgggagctt	ggaggatccc	tccatggcga	tggccgtgga	gagaggagct	840
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gtcccagctc	agctttgatc	tacacctctt	gccaccttcc	tcaagggact	gtgacccttt	960
ggggattctg	cccctgaccc	tgttcccca	agctctcctg	ggtcttgagg	ggatgtggga	1020
atgaattggc	attgcaggaa	agacaggtaa	agtgattgct	gcaatgagaa	ggagctgtgc	1080
ggaaaaggaa	taaaagttgg	aaaggctaaa	aaaaaaa			1117

<210> 4635

<211> 966

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (514)...(679)

<223> similar to gi998352 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4635

cgacccacgc	gtccgcggac	gcgtggggcg	acgcgtgggc	agagctggaa	aagttggagt	60
tgtttttggt	atacttggag	agctggcttt	ctaaagtgct	gctttgagga	ctgttgtgta	120
aagcacttga	ttcgtcttcc	ctttgctgga	gttatggggc	tgggctttta	cactgggggt	180
ctgaagtaac	aaacaaaagtc	agtcacagaaa	tagttgctca	gcaatctcat	tgttacagt	240
tcgcaaaatg	agctcatatt	agctttattt	tctgtacca	atagagtgtt	cctaagtatt	300
taaagtgtgt	gactcctttc	ttatagagcc	agcaagctgt	attggaatca	cttttccagt	360
gttgtaaatg	ttatttttgt	gggtcagtc	gtatactcgt	gaatgacaga	aaaacagatc	420
ccaacaatgc	aaagtattat	atgtgtaaaa	aagaacagaa	aaaagaagct	gccttgtag	480
taacgggctc	tatgggtttt	ctcatcaaga	ggtcatgacg	ccagtcagat	cacactagcc	540
ttgggcacag	ctgcctccta	ccccaggggc	tgccaggctc	tcggggccat	gctgtccaaa	600
ggagccctga	accctgctga	catcacgcgc	ctgttcaaga	tggtcacaa	catggaccct	660
cctccggttg	aacttgtaag	ttgcttctca	agaatcccca	atgtcagctg	gtaaggtgac	720
tttggaagt	ctgtgcttgt	ctgattgtct	gaaggctgtg	aatgcaaata	catcattgtc	780
ctggctcctc	ctcagtcaca	ctctctgcct	ggagcctgtt	ggggccctgc	tgtgtaggga	840
taccctgagg	ggaggtgggt	gagcagtgcc	ctcacgcctg	ccatcccga	ctgggcatat	900
gcttctcctc	agatccgcgt	tccagccttc	ctggacctgt	tcatgcagtc	actctttaa	960
ccaggg						966

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<210> 4636
<211> 1138
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(813)
<223> similar to gi2707256 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4636
cggacgcgtg ggtcgacca cgcgtccggc cgctctcgat cttagaacta ggaactggaa      60
cagcagtaat atttatctct ttaacctctc tgtctctgac ttagcttttc tgtgcacct      120
ccccatgctg ataaggagtt atgccaatgg aaactggata tatggagacg tgctctgcat      180
aagcaaccga tatgtgcttc atgccaacct ctataaccagc attctctttc tcacttttat      240
cagcatagat cgatacttga taattaagta tcctttccga gaacaccttc tgcaaaagaa      300
agagtttgct attttaatct ccttggccat ttgggtttta gtaaccttag agttactacc      360
catacttccc cttataaatc ctgttataac tgacaatggc accacctgta atgattttgc      420
aagttctgga gaccccaact acaacctcat ttacagcatg tgtctaacac tgttgggggt      480
ccttattcct ctttttggtg tgtgtttctt ttattacaag attgctctct tcctaaagca      540
gaggaatagg caggttgcta ctgctctgcc ccttgaaaag cctctcaact tggtcacat      600
ggcagtggta atcttctctg tgctttttac accctatcac gtcatgcgga atgtgaggat      660
cgcttcacgc ctggggagtt ggaagcagta tcagtgcact caggtcgtca tcaactcctt      720
ttacattgtg acacggcctt tggcctttct gaacagtgct atcaaccctg tcttctatct      780
tcttttggga gatcacttca gggacatgct gatgaatcaa ctgagacaca acttcaaate      840
ccttacatcc ttttagcagat gggctcatga actcctactt tcattcagag aaaagtggag      900
ggcttggtgaa acagattggt ctacagatga atctgtaagc cagttacagt ttgctttaac      960
tcatagacat caatcagaga gtgtcacaga tttaaccttg atctaaagac aagttgtacc     1020
cagagtatgt gaaaagaatg ggatgacaag aatgtaactg ggtttttttc ttctctaaa     1080
aaattgaaag gaggtggaac tgcccttatt gtttgggcat gtaaaactccc aaaatact     1138

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<210> 4637
<211> 1460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1461)...(565)
<223> similar to gi388309 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4637
tttttttttt ttctctcata aagtagtttt atttagattt caaacaacc aaagcaggga      60

```

aaagagtcgg	ccacggtgaa	tccgtccact	ctgtgctgga	cgtggctcca	ggacctggag	120
ctgacaggca	ggaccgggccc	cctcggaaccg	ctacacctgg	gcctcccagg	ctggtagtgt	180
caggaaacgg	cccccgcccc	acgttccccag	cagcgcccccc	gtggctcctc	cggggtgcgg	240
ccagtcggga	agctggggga	ccccggtaga	agtcgggctc	agctcccctc	ccgaggggac	300
aggtgggccc	gccgctccca	ccctgggccc	gtccaccgag	ccccgaagtg	aacgtgagtt	360
gggcgggtgg	ggggcaagcc	ccttctttct	tcttgaaagc	aacgttgaaa	accagaaca	420
gacatgggga	aggagaaaaa	gccaaaacga	aacaaccaga	ggagacgggg	accagcaca	480
aacctccgtg	aggtagtctg	tcttctaagg	agccacgggt	ccggccctag	tgaggtaaac	540
tcggcaagtt	tattctggtg	gtgtcaggac	tcttcggtgc	cagagtcac	ctcatcgtec	600
ccgaagcagc	tgtcggcctc	ctcctccacc	tgcgcgtcct	cgtagtagtc	gtcgtagaag	660
aggtttgagc	cctcgtcggg	cgccggcgcc	ttggtcttca	cgcagtactc	ggccagcgtg	720
gtgggcacct	tcacgcgctc	acgctccgcg	tccaccttgg	ttcccaggac	ctgcttccgg	780
atgatgtctg	tgtactcccg	atccttcccc	ttgctctctt	tccacttcct	gtacatcacg	840
gaggcgtcca	cgtttgcggg	cgagaagggtg	ttgggctcgt	tcaggaggga	gatcacactc	900
aggagaatgg	tcctgacgtt	ctgctggggg	ttccacctct	ctgagggcag	ctccccgctc	960
tgggggtcgt	ccaccggcgg	gtggaggatg	gagatacaca	cgtcccccg	ctcgtagatg	1020
ttagggtgcc	acatcttggt	caggaaaccga	aaggctggtg	gagagtatgg	gtagtcgatg	1080
gggaacttga	ggcgcgcctt	gaagtagccg	ccctcgtagt	aggtgttggg	gggcccgaag	1140
atggccacct	cccagttgta	tagatcgccc	tcttccacca	gtgtcacgcg	gaatccctcg	1200
accggtctct	cctgcagccc	cttgagctcc	agcagcagcg	ccttctgcga	gctgggcaact	1260
agcggccgag	ccatggcggc	ggcggagggg	cccggggctg	gagcagcgcg	gggcccgcgcg	1320
accaccgcga	gttcgcgaga	cgggccgggg	cgccgaccgt	ccggggggga	gccaccggggg	1380
ccgcgcctg	cctcctctc	tgcgcgcgcg	ccgcgcgcgcg	gggaccccca	gcgctccagc	1440
agctctggcg	ccgccgcaat					1460

<210> 4638

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(347)

<223> similar to gi5052520 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4638

ccgggcgcct	gctggccgtg	ggcaccgacc	tgtacgggca	gcgacgcagc	gccccggagc	60
aggagctgct	ggtgcaggac	gccacgcggg	tgagcaactc	cctgcttccg	gagaaggcct	120
tcagcgacat	cccctcgccc	tacctgcgcg	ggaccatcaa	gatgatgcag	gcggtgcgcc	180
aggccttcca	ggaccaggac	gaccggcgca	cgtgggatgg	gcggccccctc	accatggccg	240
ccaccttcga	cgactgcctg	tatgccttgt	gcgtgggtga	caccatcaag	aggtccagcc	300
agacgggcga	gtggcagaac	attgccatca	tgaccgagga	gccggagctg	agccccgcct	360
acctgatcag	cgaggccatg	cgccgcagca	ggatgtccct	ctactgttag	cacagattga	420
gaacctcggg	gacttgagcc	ttctgcaggg	gatgtccaca	gagagggaag	ggccgagggg	480
agaggggtgac	catggggaat	gtggggatca	cggaggtgga	ggggcagtg	gaataaatgg	540
catctaggaa	ggtaaactcc	aatcccggtg	accgaccc			578

<210> 4639  
 <211> 1200  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(910)  
 <223> similar to gi3874230 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4639

ctggtgcctg	tgggtggcat	tgacagctac	tattatggga	agttggtgat	tgcaccactc	60
aacattgttt	tgtataatat	ctttactcct	catggacctg	atctttatgg	tacagaaccc	120
tggatattct	atttaattaa	tggatttctg	aatttcaatg	tagcctttgc	tttggctctc	180
ctagtccctac	cactgacttc	tcttatggaa	tacctgctgc	agagatttca	tgttcagaat	240
ttaggccacc	cgtattggct	taccttggct	ccaatgtata	tttggtttat	aattttcttc	300
atccagcctc	acaaagagga	gagatttctt	ttccctgtgt	atccacttat	atgtctctgt	360
ggcgctgtgg	ctctctctgc	acttcagcac	agttttctgt	acttccagaa	atgttaccac	420
tttgtgtttc	aacgatatcg	cctggagcac	tatactgtga	catcgaattg	gctggcatta	480
ggaactgtct	tcctgtttgg	gctcttgtca	ttttctcgct	ctgtggcact	gttcagagga	540
tatcacgggc	cccttgattt	gtatccagaa	ttttaccgaa	ttgctacaga	cccaaccatc	600
cacactgtcc	cagaaggcag	acctgtgaat	gtctgtgtgg	gaaaagagtg	gtatcgattt	660
cccagcagct	tccttcttcc	tgacaattgg	cagcttcagt	tcattccatc	agagttcaga	720
ggtcagttac	caaaaccttt	tgcagaagga	cctctggcca	cccggattgt	tcctactgac	780
atgaatgacc	agaatctaga	agagccatcc	agatatattg	atatcagtaa	atgccattat	840
ttagtggatt	tggacaccat	gagagaaaca	ccccgggagc	caaaatattc	atccaataaa	900
gaagaatgga	tcagcttggc	ctatagacca	ttccttgatg	cttctagatc	ttcaaagctg	960
ctgcgggcat	tctatgtccc	cttcctgtca	gatcagtata	cagtgtacgt	aaactacacc	1020
atcctcaaac	cccggaaagc	aaagcaaata	aggaagaaaa	gtggagggtta	gcaacacacc	1080
tgtggcccca	aaggacaacc	atcttggtta	ctattgatc	cagtgcctg	actccctgca	1140
agtcacgcgc	tgtaacattt	gtaataaagg	tcttctgaca	tgaatactgg	aaaaaaaaaa	1200

<210> 4640  
 <211> 1943  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1946)...(1386)  
 <223> similar to gi5531815 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4640

tttttttttt	ttgtttttca	taaagctatg	tattttttca	acttaaataga	gaagccttta	60
ttctgagatt	acattcttcc	taatttttagg	ggctaaaata	tattttcttt	tacataatga	120
tgctgatagc	agatggctat	ttgtttttgt	ttgttttattt	ttgttttatg	tccttagctg	180
gcaaaattaa	aagccagaag	ctaaggcccc	attttttttc	ttttaataca	aatctactgg	240
tgcttaaaac	tcagagctta	ggaaacacag	cctaggtaaa	gaccaatctt	cttgctgcat	300
atttcacagt	attgaattct	ttcttgggtga	gttctccata	caagttatga	agcaggataa	360
aagtcagctc	tatattaagt	cattgtaaat	acggccttaa	tttcaatcac	caaagaaatg	420
tatttttggt	gtataccatg	gttgcagcat	gttttattaa	aactaattat	atcaatagct	480
acctgtagag	tatcaactta	aaaattataa	tgccatttct	atgaagtcac	tacttttata	540
ggactagcct	gtgtcatatg	tgtgatcaat	attggtttaa	tgcaaaaaca	aaggcagctg	600
ggtgtccaag	caagccactt	ttctgggtca	gggtttcagt	ggtaccatag	atggctgcca	660
gtctcaatgt	acactttggc	ccattttatc	ttataaatca	taccatatag	cttcgatatt	720
tacatacatt	taaactgaga	agaaatatgc	attataagaa	agcatagtgt	agtgggcttc	780
atgtgtcaga	aataattcca	tatttcacaa	ttattttcat	gtcattagct	acccttgata	840
aagaacaatt	ccatataaat	gtacaaactg	gaagataaatt	ttataaaaacc	gtaaagagat	900
ctttgtaaat	tgcatgtgtg	ctgcttataa	acaaatcaaa	tcgatctcca	tttcttcaag	960
tgtcaaaaac	aaaagagtag	ctggacattg	gtttttataa	tcagtttcag	agaaaataca	1020
ggaataatga	tcaatggcat	tttgaagcag	ataaaaactgc	caagttttat	gcttgagtct	1080
atcattctgt	gatttgctat	aatagtattc	ctttctatta	ggtgttcccg	acaatattag	1140
ttctatatcc	atttgatatg	agcatttata	ttaaacttca	aaattacctc	ggatagtatc	1200
cagaatatat	gtcagaaacc	cctaaaagca	acttctatct	tcctcttaat	taagataata	1260
tttagtcatg	ttaataacta	ttgaaatgac	aaggtcagat	tttcaaaacc	agtaggggtgc	1320
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ttagttcttc	ttggttttct	tcagatagtg	agcccggtga	gacttggttc	tattcatgac	1440
tattttcaaa	taaatccaag	aaggcagggt	tgagattatc	aagcccataa	gagcatggat	1500
caggtatcca	ttggttcggg	attgcaggcc	gactgtttta	attgcagact	tcacaaacgt	1560
ctccggagag	ggcttatcca	aagttggctt	ccggatttta	gccagttttg	tagctacgaa	1620
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agagaagaaa	tctacaaaag	tcttggttgc	agaatagatg	gtcaagagtg	ggacaggggag	1740
catgccactg	ccagatgaaa	tgttcagaat	agcccccttg	gatctttcca	ccatgccagg	1800
cagtaccaat	tggtcatctc	tacaaacaga	aagaatatta	atatttatca	ttttcttgat	1860
cacattgtcc	aagtcaggaa	catccaaaaa	gtattcagga	tactcatacg	acattctcac	1920
gttgttcact	aagatgccga	ttt				1943

<210> 4641

<211> 2272

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2268)...(1547)

<223> similar to gi2289786 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4641

tttttttttt	ttaggggtct	ggctttctct	ttagttctca	tcacactagg	gctctcagtc	60
acagagaagg	cacttaaatg	ggaaggccac	ctgatgcagg	ccaaccatat	tcaccccccg	120
cccacccgct	ctgggggagg	ggagcacaac	gacatcacca	cttgacatcc	cccttggcac	180
tggtatgtgg	gtccccctta	ccgttagacc	ctgggggagag	cccaaggcct	tgacctccgg	240

aatcgccatg	ttaggaggag	gggcttcaga	aacagttgga	aggcaggata	tcctgggagc	300
tgcccccagc	cagcagggga	tcaggcaggg	ggctgtagga	gatggggttg	cacaggggaa	360
ggggacagct	tggtcgggct	tcctggagat	ccccaaaccc	cacagaaggt	cccacctcct	420
acagatcccc	caaaggcacc	ggtgaaggat	gggcaaggag	gcactgatga	gctggcgtag	480
agacccccca	cacacactta	gctggtgggc	ctagcatatg	ctgggcacag	aaggtgctca	540
agaaatgttt	ttttgaatga	atgaacggag	caaaggggtg	tgagggacag	aggacagggc	600
ctgggcccct	tggcccagct	tgttccattc	agaaaatagc	agtttaaaaa	atgtaaaaaat	660
cctttccctc	cctcccccca	acttctgggc	ccaggaaagg	ggcaagggag	gggtgtctct	720
acctgaccc	ttccctctct	ccttccccta	aaaatctata	tacacatgta	catatttata	780
tggcaccaca	agggggggtc	tgccatgccc	cccacgctca	gagctggggg	agccaagccc	840
cggggctggg	taaggcagaa	gtctgaggtc	attgcttgga	tgatgcaggg	agcagccctc	900
agctgtcggc	cctggagaag	ctgcactgtg	gggcctgaag	gacagaatcc	tgctgccttc	960
cccagtggta	acagacctcc	cctccctcca	aggcagaggc	aaagggttgg	aggggcccctc	1020
tcagtcccaa	gggaggagg	ggggcagggg	gaggggctgg	ttctcccctc	ccagcctaga	1080
gctgtgcccc	tgggaaagct	gggcggggaa	gagggggctc	tatgcaaggc	acttgatgtc	1140
caccgttccc	agactggggg	tccaaggcag	gaaccctgcc	cccaggaagc	agaaccggaa	1200
ggggccaagg	ggcccaattt	ggcagcagag	aaacatggca	gcatggacag	agacagaaaa	1260
agggagcagc	aggcagggcc	ccccaggtcc	cctgagaata	ggggaggagg	tttgaaggca	1320
ctgacacggg	gcctggagct	cacggtcctc	agtgcagcct	gctgccccta	caccgcctgg	1380
tggggctggg	gggggagacg	cccgttccc	catggcactg	agtgtggcgg	cggcccatgg	1440
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gtacacgtcg	tccacacggc	tgagttgctc	gaagaagggg	aggaggtcgt	ggagctctgt	1620
gtcactcatg	ttgtcaaacc	acgaggccac	cggtagagca	ttgtctggat	ggaagacata	1680
ggaggcaggt	gaattgtcca	ggatgagcac	ccgccgcagg	tctcgaccca	accggtcag	1740
gtccttcacg	tagttcccc	ggtggaagac	gcaggactct	cgaacagacc	gggcccggaa	1800
ggccccccat	ttgtccagca	ggtcagctac	tgggtctgcg	tacttggcga	ggctagcagt	1860
gaacagcaca	cattcaaaga	gctcgcccat	tcgctgcagg	aactcatcca	cgtgaggacg	1920
cttcaacacg	tagacctggg	ggaccacccc	atcaatctcc	acagggatga	tgaagtccgc	1980
gttgttcact	ggcttgaagg	agctgtgcac	cagggctctg	tccaggctga	tgaccacgca	2040
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agggatggcg	ccattctcct	ccacaagcag	gggcgccccg	ctgtgagcag	gcagggcctc	2160
cccacatccc	cggcagacac	agcagaagag	tgagtggagg	atgccccggc	ttcggggcctt	2220
ctgggaagct	gctgacttct	ggtcaccttt	gccccgcagc	gggccccgag	cc	2272

<210> 4642

<211> 2174

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2176)...(1289)

<223> similar to gi5052031 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4642

tttttttaaa	ataaatcagt	gtgttttttt	attttgagcc	aatgttttac	ataagaccaa	60
caaactaagt	gtgggcaaac	tgttcaatca	cttttgagaa	attacatggg	tcctatttag	120
gtttgaaaaa	gtagtttggt	gccataacat	cagaccttaa	ggtgttttaa	agtgtatcct	180

aaggggtactg	acagaagaaa	aatacagtgt	tatggaagta	tacacaactc	atgaccacac	240
agtatagatc	cattcatggt	gaataatggt	catctgttct	ccaaaggtag	tgaaaaatat	300
taagtcatca	aataaatgct	cagaattacc	aaggaacagt	taaaaaggac	caggatccaa	360
acaggttatt	tatatattta	tctataaaca	agtgacaaca	ctaaaaaaca	cattgaaaac	420
cagtgtttta	aactctgaat	gtgggattta	aaaataatcc	attaacttga	gattgcaata	480
atTTTTTTaa	accaaatagc	atttgactgg	caagtctcat	ataatttaca	gctgtaatat	540
tcctaaaagg	aatatctaca	tactatagcc	tatcaaatat	aatctgcatt	ttgcaaatca	600
atacaaaaat	ctatccatca	tttatacatt	ttatatattat	atacttttta	aaaatttagat	660
tttattgcta	ggTgaatttg	gaattcaaat	taaatttgga	aacttaataa	tgtcttcttc	720
ataaccttct	ccccattctt	tttttaattt	ttaaactctg	gaagcaaatg	attatcaaaa	780
tgagactgca	acttaaggca	ttttaaaaga	aaaaataatt	aggtgccata	tagcattttta	840
tttcaaaagt	atattttgtc	ccacttttct	cactagcaag	agtaaaacac	aaaccttttt	900
tcataaatat	gactacagta	atcataacac	aaaaaagggt	tgataggcat	tgcttagata	960
tttaaaacaa	gggtaatact	ttcccactca	cctaaaagaa	aaaacctttt	tgattaccag	1020
tttataaaca	tcggatttgc	tatgttaaaa	agtccagcag	aatttttaatt	cagcaacact	1080
ggagaatgaa	tatatatata	caggcataca	tgtgtatgta	tatattcatt	ttatatatag	1140
tcaatgtatt	tattaggcat	tccccacaa	aagtaattta	tatttaattg	ccatttttaa	1200
taaacactta	tgttcacaga	tcatccatct	gtcttatatg	aagttaggca	atatcaaatg	1260
tcctgttatg	gtctccgtct	tcttcggaat	catcctctga	agtttcgaga	tcttccatat	1320
gtgcctgaag	agttcttgca	aggttaataa	atcggacacg	tgtgcttggt	tcatttgtat	1380
ttcccatcat	atcagaaaag	ctttgttcgc	acaagtgcga	taacaccact	aggtagagac	1440
cagagctgat	aaactcatac	tcagcttggt	catttgcatg	agctctatgt	agttcatgaa	1500
tatcaaaatc	ctccagggtta	agctccaact	tctctttaca	tagttcacag	gtggttacag	1560
cttctaataa	agaaccagag	ttaatttttg	cctgtaacca	ctttttcata	cagtcttggt	1620
ggacatactg	caaacttcct	gtgcacttgc	atggctctat	cagcaaatta	gatgatgatg	1680
cagctgccat	ttgacaaatt	ctacataagt	caccttcttc	ttcttctgag	tcctctaaaa	1740
ggaggctctc	ttttattttc	tgcaatcttt	ctggatctct	tgaaggcgca	cttttagttt	1800
tatcactttt	accatcagct	gaattccaac	ctgaaggaat	aatatctact	gtgatcatga	1860
cattgtcggg	caaattactc	ccaagtgtcg	gggggactgc	aaaccggaat	aaggaaccag	1920
gaagaatccc	tgatattcct	gtatttcttc	caccttgagc	cgaatctgat	gtagagccac	1980
ctgttggtgg	actgcttgat	gctgcagatg	cttggtggtc	gttggcagca	gctccaagag	2040
gatcattctg	tgcttcaagg	tgaaccactt	catttgattc	tcttctaaaa	atatgagatc	2100
tagatgatgt	atcagaggta	ggatatcctg	aagattcatc	tcttccctct	cgctccttc	2160
tagagaacaa	aggt					2174

<210> 4643

<211> 1266

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1267)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1266)...(965)

<223> similar to gi3411233 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



<400> 4643

tttttttttt	ttgcttcaaa	atattttaata	cgtgttagac	acgtagaagt	tacatttttta	60
tacaaaaatc	aatacaacga	aggagaaaat	actgtacaaa	aaccttatca	gtccccccaa	120
cctttataca	acaaagactg	gagtcaccat	atctacaaaa	ccataaggtc	tttccacttc	180
gggcttctgt	ctgtaaactc	tcattaaaca	cttttttaaaa	gcactgtgta	gtactttctga	240
cctagagctt	ttaaaaatat	atctttttctc	tataaaactcc	attattttcca	agcttgaact	300
cttctgtgaa	gttcgtcaag	cttttttctcc	cctgcgggga	agcaaaggac	cgtaataacg	360
cccccttcct	agagtaatca	caggatataa	acgtttcttc	attgggagag	aaaggtgggg	420
agggacagaa	ggaatccaag	tctgtgctct	tggctaaatc	cctctcgtct	taggaaatcc	480
tgtgcggaag	cgccactcct	ggccctgaag	cgggtctagc	tttccgggtg	ggggtaggtg	540
taaagtccct	ccctccccgg	agaacgaatg	gggaactccc	cggcccaaac	cttttagccg	600
cttccttctc	cacgcagccg	gcagaggaaa	gtccctgtct	gcccccaatc	tcttaaacc	660
tggggaagga	gtggtgcatt	ccagaagagc	aaaatagtct	taatgccaca	agacaaaactt	720
acatacacag	acatacacaa	acacaaaagt	taacgatcgt	cctcttccaa	tgagcctcaa	780
gctcccaggt	ctccagataa	gccagatgcg	cccgggggca	gtttgcgatg	cccagaggca	840
accagtctgc	ccaacgcgct	cagcgcccg	ggtctctggg	cgctctcgca	gccgggaagg	900
gcctggccct	cacttcgggg	acgcccgtg	ctccacctcc	tccccgcagg	ggggccaagg	960
gctcagaagg	ccacgatggc	tgtgctccag	gggttcattg	ctctcagcac	cggcttatcg	1020
cagcagatct	gcccgggctc	ggcggtctcc	ggaccgtctc	cctctccctc	ctcttccctc	1080
ctgccgcccc	cggggctttt	ccgtaggagt	cccagaaaac	tggaaaccgaa	gatgctgatg	1140
aggttagcca	cgttcccggg	ctccatctcc	tccgcgtcct	ctccctctct	ttctctctctn	1200
ccnccgnacg	cgtgtgtcgn	cagntancaa	gnnnatcgca	atgccccatg	cnnnaaaacc	1260
ccgtct						1266

<210> 4644

<211> 1954

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (10)...(839)

<223> similar to gi3769519 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4644

gccatgaagc	cggtggaaac	ccacagtttt	cagatgctct	tcacgatcct	gtccactggc	60
tccgactga	aagcgagag	ctacgaggat	gcctacaggt	gcatcaagag	cagcatectc	120
ctgggtcca	tctcaggagg	caccgacatc	atctcctgct	tcatgggcca	caatttttct	180
cttcctgtgt	ataaaggggg	gattcaggcc	cggaaacctg	gcatggccgt	ggaagcgtgg	240
aacgaggaag	gaaaggcggt	ctggggagag	agcggcgagc	tgggtgtgtac	taagccgatc	300
ccttgccagc	ccacacactt	ctggaacgat	gagaacggca	acaagtacag	gaaggcgtat	360
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ccatTTTTAT	attttttgaa	actgagcaca	atgaaatcct	ttcttgaatc	attttccttt	1860
tggattataa	aaatatgggg	gaaagtgcta	tgatgaattt	tatgcaataa	atgtatacat	1920
gtgtgcacat	gcacccatgc	tgtgaaaaaa	aaaa			1954

<210> 4645

<211> 1095

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1032)...(897)

<223> similar to gi206 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4645

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gtgcttccca	ctcaggcagg	ccagccctct	ctgccccact	gccccaccct	tcccccatgt	180
gctccggctc	aactcaagtg	acccaccac	aggccctgtc	ccatgcacaa	atatgccaca	240
gacaggcaag	gacacactaa	ttttattttg	aaatagggac	tgcaagggca	ggctcgtatt	300
gagaaggatg	gccccctggg	tgtgatgagc	ttggggcctc	atctgctcac	cgtgcacgcc	360
ctggagtcct	ggctaccag	catgtccaaa	ctaagggcac	cccccttggg	aaagggattg	420
cagagacggg	gagcttctct	gtatccccct	acaggcagga	cagggggctg	gggtgcagaa	480
gcacttctgg	gggagacctg	ccctaagctt	tccaagctgg	gaggaagggg	acgatctggg	540
gtccagcagg	ctcctggggc	ttgggggtcca	cttcccgttt	cttcccttgg	gaattggaag	600
aaccgaacca	aaagcctctt	ctgttggggc	aaggactgag	ggggtggggc	tgatcttcca	660
gatgttgaag	ccagggccct	gggccccaac	cctgaggggg	ccaacctaga	gggaggtggt	720
gggctcctgg	tgactggtat	taatatgtag	ggggagacct	gaggttgag	tcccatcctg	780
gtgtccaggt	gccatctggg	ctagggaggc	atctcctcaa	caggaatcct	gagcaggggt	840
tagagcacag	tgggcaggag	ggggaggggc	tggacttcag	cagggcctcg	tgctagatga	900
tgccatattg	ggccagctcg	tgcagctcca	ggtggttgaa	ggcctcccaa	gggcagatga	960
ctgtgatgtc	tgttcccagg	ccttccattc	cagggatgtc	gtccccaaac	cgtggggcctg	1020

```
gtcggggggtc gctccccag gtcgcctttc ccatcccggt agctcacctc ctgcagccgt 1080
ttcaccagca gcgtc 1095
```

```
<210> 4646
<211> 2414
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2407)...(1949)
<223> similar to gi5824753 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
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<400> 4646
tttttttttt ttacagataa acattttaat tgttttaata tattactttc atgatctttt 60
tgaaatcgca cttgtactgt actaatcaac agccaaagca tataagaaag tttaaaacca 120
aaaatattct gacatgaaca catgacagga accgctgcta tgtaaagtaa catacactgc 180
tccccagaa caatgatatt tttaggagat aattcatctt aaccatgtgc caggacaaaa 240
tttgtaatca aaggctggaa gaaatatata ttagtgctctg ctttttaaaa gtttatttta 300
catttttaaaa acagtatttt tctcataaaa aaaaaaatcc aggaaggggc taactccatg 360
gtttttatata catatgtaca tgaaagctga cagagagcct gacaaatgtt ttggatgtaa 420
cagatgaac acctatgagc tgggactact tttgaatcaa aattaaaaaa cccaaattaa 480
gcactgctta agaaaaaaa aatccagttt ctgaacaacc aaaagagaac agagttagat 540
atgtacaaaa ccaggtatta aaaaacagaa agaaatacag cacacaaaaa actcaaacaa 600
cccatatgta gtgaactgta tatactgcag ttaatgaaaa ccctcctaca agaagtgatt 660
taggatttga aatttttaaaa atctaagtac ttcagtaaca acatacaata acaacattaa 720
gtgtatattg ccatctttgt cattttctat ctataccact ctcccttctg aaaacaagaa 780
tactagcca atcacttata caaatttgag gcaattaatc catatttggt ttcagtaagg 840
aaaaaaagat gtacctcttc cgtcaataa agaaataaca caaattaaag ctataaaatt 900
taagcatggg catatgtatt tccaattctc cttaataagt aattccaaac tggataatg 960
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tccatactag tgcaatgtta ctcccatat gctgaattat atttaaata ttttatgtat 1080
tttaattcag taggtgccaa tttgagttta taaaatcctt aattttattc tttgtgcaga 1140
aaagtttcaa tttgagatac tctatgaagc caaaacaaaa caaaacaaaa caaaaaacct 1200
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ctttaatcaa agccagctgc acctgatata gacttgtaa cttatggatt tcaaattaga 1560
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cagccgggta aggtcaacgt tggggtgttt tatttggag actttaata tttacatgt 1680
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agtctgagga atctccttta accccaaagt atgaatgcta aagagtctca aggaaatttt 1800
gattcccagc aagagttcac aaaccatcag accaatatca ataaggtaaa ctgtgactct 1860
aatgctccac aaaagtaaaa agaaatttcc aaattaaatg tcatcttctg cccaacccta 1920
gactccagac tttgtaacaa catttttata tagtataata gactctgtag tagactgatt 1980
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attgatggct gccagcatac acctcctcat gacagtcccg tcggtacaca ggcacaatct 2100
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catccagcaa	aggcttggtg	gcattctttt	tggctttctc	ttcacaaccg	atgttttctt	2160
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agtctgtcca	ttcaaaatac	accccaaacc	caatgtcata	attgtctgtg	gcaaattccc	2280
aaaaaaaaata	tgatccttct	tcatgggtgg	gtactcgaac	agtgaccact	tctcctcggc	2340
ccactgtaat	cacggaatct	gcatacctgt	gaatcctctc	tttgaagtct	ttgatctgag	2400
gtcgtgtaca	ccta					2414

<210> 4647

<211> 3183

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1511)

<223> similar to gi642252 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4647

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tggacttcta	tttttgggag	gaggaaggta	ctctttgagc	acatcaaatt	cttccattgc	420
cgtctttctc	tgtgcccttt	atccgcactt	cccagctcac	agcactgaca	accggtatca	480
tctccaggct	ctccggcacc	tctatgtgct	ggccgcggag	cccaggcttc	tagtgccctgt	540
ggatgtggac	acaaacacgc	cctgctatgc	cctcttagaa	gttacctaca	agggcactca	600
gtggtatgaa	caaaccacag	aagaattgat	ggctcctacc	cttcttccag	aactccatct	660
tttaaagcag	attaaagtaa	aaggcccaag	atactgggaa	ctgctcatag	atttaagcaa	720
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ttctgatcca	gcacttctgt	catttgctga	atatttctgc	aagccaactg	tgaacatggg	960
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gacccagag	atgttgccctg	catacatagc	aatggatcag	gctataagaa	gacttgggag	1080
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aaa						3183

<210> 4648

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2) ... (549)

<223> similar to gil854550 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4648

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cggggaggat	gacatgactg	actccctgcg	agattacacc	aacctgcctg	aggctgcccc	420
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gattacaggc	acccgccacc	gtacctggct	aatttttgta	tttttagtag	agatgggggt	1560
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caaaggctgg	gat					1633

<210> 4649  
 <211> 2214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2215)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2192)...(1784)  
 <223> similar to gi215136 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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ataaaatcac	caaactccgt	tgccccggta	aacaacagcc	cagttcccat	tgcaaagtct	180
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ccggaggtgg	gaatatcctg	cattcccga	cccatcgacg	aactgtttca	aggcttcttg	960
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tacagagagg	gcaagtatcg	tttccaccgt	actcgtgata	ataattttgc	acggtatcag	1380
tcattttctg	cacattgcag	aatggggatt	tgtcttcatt	agacttataa	accttcatgg	1440
aatatttgta	tgccgactct	atatctatac	cttcactctac	ataaacacct	tcgtgatgtc	1500
tgcatgggag	acaagacacc	ggatctgcac	aacattgata	acgccaatc	tttttgcctc	1560
gactcttaac	tcattggata	cttcatttat	taaactcctt	ggcaatgtat	gtcgtttcag	1620
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tttgagtacg	gtcatcatct	gacactacag	actctggcat	cgctgtgaag	acgacgcgaa	1740
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tggcgaaaca	caagaaactg	gtttccgtct	tcacggactt	cgttgctttc	cagtttagca	2040
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gattttgctg	tttcaagctc	aacacgcagt	ttccctactg	ttagcgcaat	atcctcgttc	2160
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<210> 4650

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(296)

<223> similar to gi458692 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4650

ggaattcgtc	aagatctgga	cacccacagc	taaagctgcc	actgatctta	ctgggttaaa	60
gaaggtgatt	aagaagaaca	agtgggaacg	agatgaagac	agcttgacc	atggcagcct	120
gtttgaccag	tacatgcttt	ggttcctcct	gcgtcacgtg	acgcagagag	gtcgtcacca	180
ggactggaga	agtgggtgaag	ctgaatttcc	agatgaagaa	tcggatgagt	cttccagcac	240
ttcagagaca	tctgaggagg	aggtccaaga	ccgagtgcag	tgcatgccat	cctgaaggcc	300
tcatatccag	tccagctaca	tgccacctaa	gtacactgga	ctttaaaatt	cagtttgact	360
aatttagaat	tgtcaataga	ttaatagatt	tgctttttgt	cttctatttt	ccataatata	420
tgctgaaaac	cgtct					435

<210> 4651

<211> 473

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (474)...(319)  
 <223> similar to gi623604 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4651  
 gcggtggaat tccttcagca tcaaatacctc tcccctgcca tacctctccc aaaaaggaga 60  
 ccagtaaagt gaagttttta gccagaggca gccagacaag ctcccaagga attagaatag 120  
 cttccaggca ccaagatgtc actactcaaa gatgaccgga tacagcaggg ataggcgaga 180  
 cacattaact tcagaggatg tggcaggagt gaagaccacc tgcccagtca cctgccacac 240  
 gcaacagccc agggcccggc agggtgaccc tctgcagagc tgccccacca agacccttg 300  
 atactcctcc acgctcctaa gtcacttacc tcaccaaagt gcttctcgat gatgttcaaa 360  
 gccgactggc caatttgacg gttctcatgc agctgtaaag cctcaattct atcgatccca 420  
 ccaagttctt ctatcagaag acacaggttt tccttctcag accagttctc tgc 473

<210> 4652  
 <211> 1722  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1723)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1)...(1480)  
 <223> similar to gi4589281 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4652  
 cctcctctaa gtcttgagcc cgcagttcct gagagaagaa ccctgaggaa cagacgttcc 60  
 ctgcgggccc tggcacctct aaccccagac atgctgctgc tgetgctgcc cctgctctgg 120  
 gggagggaga gggcggaagg acagacaagt aaactgctga cgatgcagag ttccgtgacg 180  
 gtgcaggaag gcctgtgtgt ccatgtgccc tgctccttct cctacccctc gcatggctgg 240  
 atttaccctg gccagtagt tcatggctac tggttccggg aaggggcaa tacagaccag 300  
 gatgctccag tggccacaaa caaccagct cgggcagtggt gggaggagac tggggaccga 360  
 ttccacctcc ttggggaccc acataccaag aattgcaccc tgagcatcag agatgccaga 420  
 agaagtgatg cggggagata cttctttcgt atggagaaag gaagtataaa atggaattat 480  
 aaacatcacc ggtctctgtg gaatgtgaca gccttgaccc acaggcccaa catcctcatc 540  
 ccaggcacc cggagtcggg ctgccccag aatctgacct gctctgtgcc ctgggcctgt 600  
 gagcagggga cccccctat gatctcctgg atagggacct ccgtgtcccc cctggacccc 660  
 tccaccacc gctcctcggt gtcaccctc atcccacagc cccaggacca tggcaccagc 720  
 ctcacctgtc aggtgacctt ccctggggcc agcgtgacca cgaacaagac cgtccatctc 780  
 aacgtgtcct acccgccctca gaacttgacc atgactgtct tccaaggaga cggcacagta 840



tccacagtct	tgggaaatgg	ctcatctctg	tcactcccag	agggccagtc	tctgcgcctg	900
gtctgtgcag	ttgatgcagt	tgacagcaat	ccccctgcc	ggctgagcct	gagctggaga	960
ggcctgaccc	tgtgcccctc	acagccctca	aaccggggg	tgctggagct	gccttgggtg	1020
cacctgaggg	atgaagatga	attcacctgc	agagctcaga	accctctcgg	ctctcagcag	1080
gtctacctga	acgtctccct	gcagagcaaa	gccacatcag	gagtgactca	nggggcggtc	1140
gggggagctg	gagccacagc	cctggtcttc	ctgtccttct	gcgtcatctt	cgttgtagtg	1200
aggtcctgca	ggaagaaatc	ggcaaggcca	gcagcgggcg	tgggagatac	gggcatagag	1260
gatgcaaacg	ctgtcagggg	ttcagcctct	caggggcccc	tgactgaacc	ttgggcagaa	1320
gacagtcctc	cagaccagcc	tccccagct	tctgcccgt	cctcagtggg	ggaaggagag	1380
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gccactgaca	ccgagtactc	ggagatcaag	atccacagat	gagaaactgc	agagactcac	1500
cctgattgag	ggatcacagc	ccctccaggc	aagggagaag	tcagaggctg	attctttag	1560
aattaacagc	cctcaacgtg	atgagctatg	ataacactat	gaattatgtg	cagagtga	1620
agcacacagg	ctttagagtc	aaagtatctc	aaacctgaat	ccacactgtg	ccctcccttt	1680
tattttttta	actaaaagac	agacaaatcc	ctaaaaaaa	aa		1722

<210> 4653

<211> 1812

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1606)...(1309)

<223> similar to gi841318 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4653

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tgctgggtct	gctggttacc	gccattcttc	gctaacttac	ttccagggtca	aagggtggg	120
aagaagggag	ggagctagac	agctggaacc	agccaggga	cgcggcagct	tgcaccccag	180
gactgaagt	gcagcgagga	caggcgccat	caccactgg	cagcctggcc	ctcccgctct	240
caggcctctt	cacaatgggg	tgcatatggt	aagttggtgg	gtctgaacca	accagaact	300
gaggggtgag	gtggagtttc	agttccaaaa	ccactgtggg	tgtgacagca	tgaagccctc	360
gctgtgaaga	ggagccctcc	cattttctcaa	tggtgtgtca	gggaactgac	accacttct	420
agctccctgc	ccccatcagg	gccgaggtag	tggggctgg	ccctgtcccc	ccatgcccgc	480
cccatggtga	gtctgcaccc	ttcctgtgac	agatccccca	gcaggccaca	caatagagaa	540
tctggatcta	ttgaaacatg	tttaaaacgg	ggttggtcac	aacaggatgg	gcacaaatgg	600
gagcggggga	ggggagtggg	gccgcaccag	cccctgccag	tgctgaggc	tgcagcctgg	660
cgagtgcctt	tgcttctgct	tctccacgct	ggtggttcga	gatggtccca	agccccactg	720
gggcaggccc	tgccctgccc	tgcaaggcca	gggtggctcc	acttccccat	ctcctcccc	780
atgggctgca	ggggcattta	tgatgccc	caggtggcac	tgctcgctc	cttctccct	840
gtctccgtgg	ctcagaaaca	ggttaagggg	agaggtagat	ggggagacgt	gggggccaca	900
cagtctccgg	tggcagtgag	ggagcttggg	accctgaggg	gggcatgctg	actccttgct	960
ggagaaaagg	cacctagata	ggggagctgg	gcttgggggc	ctccaggggg	gtcctggggt	1020
gaggtgggga	gggaggctga	acgaagcagg	aagcagggtg	gtgggcagac	cccaatcctg	1080
gtttccaaac	cctcaccggc	tgcgggagaa	ggaagaagga	aggagtcttg	gagcagagcc	1140
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tggaaggtta	cagaggcctc	aggccgtctt	ggtgccgggg	tccacctct	tgtgggcccc	1320

gagctccttg	tgctgcttgc	ggccaaaccc	ctcgtcgtag	ttgcctttgc	tcttaaacag	1380
ctgctggaag	tggggtttgc	agtagaactc	cccgtgcagc	gcggcgtagc	tgcccaggct	1440
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caccagccgc	tccatggggt	acacgggtctt	ctggcaggcg	gcgcagggtct	ccttcacctg	1560
ggccccgagg	ctgaaggact	tggagcgctg	caccgtgctg	ctgccgcgcg	ccttggcgte	1620
atgagagggg	gtggcctggg	cggctcctgc	agcctggaac	atggctcggt	ggaggtggaa	1680
gcctcgggtg	gagaagcggc	acccgctggg	ttcaggcccc	gcctgggccc	cggggcggga	1740
tcggtctccg	ggggcgcacg	ggtacgagga	gggcgcgggc	gcgagctgcc	ggacgcgtgg	1800
gtcgacccga	gg					1812

<210> 4654

<211> 4602

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (4603)

<223> similar to gi5689453 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4654

gcatctggaa	atcttgacaa	aaatgccaga	ttttctgcc	tctacaggca	agacagcaat	60
aagctatcca	atgatgacat	gctcaagtta	cttgcaact	ttcggaacc	tgagaagatg	120
gctaagctcc	cagtgtttt	aggcaatcta	gacattacaa	ttgataatgt	ttcctcagac	180
ttccctaatt	atgttaattc	atcatacatt	cccacaaaac	aatTTgaaac	ctgcagtaaa	240
actcccatca	cgtttgaagt	ggaggaattt	gtgccttgca	tacaaaaca	cactcagcct	300
tacaccatct	acaccaatca	cctttacgtt	tatcctaagt	acttgaaata	cgacagtcag	360
aagtcttttg	ccaaggctag	aaatattgct	atttgcattg	aattcaaaga	ttcagatgag	420
gaagactctc	agccccttaa	gtgcatttat	ggcagacctg	gtgggccagt	tttcacaaga	480
agcgcttttg	ctgcagtttt	acaccatcac	caaaaccag	aattttatga	tgagattaaa	540
atagagttgc	ccactcagct	gcatgaaaag	caccacctgt	tgctcacatt	cttccatgtc	600
agctgtgaca	actcaagtaa	aggaagcacg	aagaagaggg	atgtcggtga	aaccaagtt	660
ggctactcct	ggcttcccct	cctgaaagac	ggaaggggtg	tgacaagcga	gcagcacatc	720
ccggtctcgg	cgaaccttcc	ttcgggctat	cttggctacc	aggagcttgg	gatgggcagg	780
cattatggtc	cggaaattaa	atgggtagat	ggaggcaagc	cactgctgaa	aatttccact	840
catctggttt	ctacagtgt	tactcaggat	cagcatttac	ataatttttt	ccagtactgt	900
cagaaaaccg	aatctggagc	ccaagcctta	ggaaacgaac	ttgtaaagta	ccttaagagt	960
ctgcatgcga	tgggaaggcca	cgtgatgac	gccttcttgc	ccactatcct	aaaccagctg	1020
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attcatgtgg	ttgccagtg	ccatgaggaa	ggattggaga	gccacttgag	gtcatatgtt	1140
aagtacgcgt	ataaggctga	gccatatgtt	gcctctgaat	acaagacagt	gcatgaagaa	1200
ctgaccaa	ccatgaccac	gattctcaag	ccttctgcgg	atttctcac	cagcaacaaa	1260
ctactgaagt	actcatgggt	tttctttgat	gtactgatca	aatctatggc	tcagcatttg	1320
atagagaact	ccaaagttaa	gttgctgcga	aaccagagat	ttcctgcac	ctatcatcat	1380
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caagacctcc	agcttgacta	ctcattaaca	gatgagttct	gcagaaacca	cttcttggtg	1740
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tactcggata	aatttggttc	tgaaaatgtc	aaaatgatac	aggattctgg	caaggccaac	3960
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gcgcgagctt	tcttagatga	tacaaacaca	aagcgatatc	ctgacaataa	agtgaagctg	4440
cttaagggaag	ttttcaggca	atttgtggaa	gcttgcggtc	aagccttagc	ggtaaacgaa	4500
cgtctgatta	aagaagacca	gctcgagtat	cagggaagaaa	tgaaagccaa	ctacagggaa	4560
atggcgaagg	agctttctga	aatcatgcat	gagcagctgg	ga		4602

<210> 4655

<211> 1643

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1644)...(1576)

<223> similar to gi4884249 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4655

ttaccgcggg	ccctcaccag	atgaggaccc	aaaacttggc	ccgcccacct	ccgcttaagc	60
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ggccgcgctc	tccgatgcc	agccctctg	gaaccacctc	gcctgtgacg	taggtggagc	180
gcgcactgcc	tccgggtccg	tctttctcaa	ttgggaccgg	aaaacgttgt	cgctcatcct	240
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tacttgaccc	tgtattttgg	gagtcgaacg	gagtaagtta	caagcggcct	atagggtcgc	360
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aggaaaaggt	aatggaagaa	gaaagcactg	aaaagaaaaa	agaagtggaa	aaaaagaaac	780
ggtcacgagt	taaacagggt	cttgacagata	ttgctaagca	agtggacttc	tggtttgggg	840
atgcaaactc	tcacaaggat	agatttcttc	gagaacagat	agaaaaatct	agagatggat	900
atgttgatat	atcactactt	gtgtctttta	acaaaatgaa	aaaattgact	actgatggga	960
agttaattgc	catagcattg	agaagttcag	ctggtgtaga	gcttgatttg	gaaggcacca	1020
gaatccggag	gaaaaaacct	ctgggggaaa	gaccaaagga	tgaggatgaa	cgcacagtgt	1080
atgtggagtt	acttcccaaa	aatgttaatc	acagctggat	tgaaagagta	tttgggaaat	1140
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ttgcgtttgt	ggaatttgaa	acaaaagaac	aagcagcaaa	agcaattgag	tttcttaaca	1260
accaccaga	agaagcacca	agaaaacctg	gcataatttc	taaaacagtg	aaaaataagc	1320
ccattccagc	cttaagagtt	gtggaagaga	agaaaaagaa	aaagaagaag	aaaggccgaa	1380
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<210> 4656

<211> 1297

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1298)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1242)...(461)

<223> similar to gil504032 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4656

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<210> 4657

<211> 2071

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2069)...(445)

<223> similar to gil546779 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4657

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<210> 4658

<211> 6774

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (323)...(3989)

<223> similar to gil877215 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4658

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<210> 4659

<211> 2384

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(2385)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2348)...(2184)  
 <223> similar to gi3714340 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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cttcttaata cagacattcc gcaaaatata gactttttac aaatcacggc atctttaata     1140
caagaaaatt aacatgcatt attcttcatt ctgtgtacag tgatggagtt cattagtagg     1200
caatgaccca ttactacaaa cataacggct tctgtgaaac ttaagtgttt tctcttcttt     1260
tagtattaac ttacgataca tgaggtgaca ccagataata ggcagtgaga tgatatgtgg     1320
gaaggggaag gaagcattaa acaaattcgt atgcctcatc tataatttca catatggata     1380
aaggtagttt ttggctttgt ttttgttgtt tttttgttta caagcactca tgttaggaca     1440
aagatgaaat gtgcaaactt taaaatttta atattcattt tctctaagat ccagctcagt     1500
aaaagattac cccagttccc tgcaatttta aactacaaga tcaaagctaa taatttgttta     1560
taaaagttat atattgaaaa gaaataatga aaaacacaat tgggaaatat ttaagaaaaa     1620
atatgcagga ctagccctgc tgtgtcaacc ctgttcctta aattcaatca tataccact     1680
ggtgtgacca acagataatg cttttgaaca gtaaatgaag ctgaacaaaa ccagctcaac     1740
aaggttaaga aaaaaatgtc acatcaaggt agtatgtttt atttctgaaa cagttctgta     1800
gttcttacat tcagatctat tctaaatgtt tctttgttaa actcacttgt attcacctgt     1860
tttttaaaaga tctgttgttt aaaggttaaa atctctgtaa aacctaaaaa tgttttaaaa     1920
tttgctgaaa atgcaacaaa ttctcaatta aaatttattt aaaataatac cctccactga     1980
tgttactttt accccctgaa aaacttcgga ggagcatata caaaagattt aaactactgt     2040
gcaaaaattt ttcacgaaaa gtgtttaaag gctgggtcaa aatgggaagc aaattctaaa     2100
caattttggc ttcttggaag caaaaaccgc tgtgtctgaa aagagtaatc atcggggtga     2160
ctccgggaag ggccagcttc atcttttccg gcggcaggtg cgcttgtgct ccgcgtgcca     2220
gtgctcctgc tggcacttga tggagcagta ggatgtgttc cagcagcagt ggtacatggc     2280
ctcctcctca cagttgtagc accactgctt cttcttggtc tgagaaatca gttgcgaatt     2340
cctccgcttg gactaatgtc tacaagtctc gaanttttgg cacc                      2384

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<210> 4660  
 <211> 1531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (829)...(588)  
 <223> similar to gi4773880 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4660

agccgtgcag	gaacaatggc	aagccttttag	cccgatcggg	agcggcaatg	ggcgccctcgc	60
tggatcagga	gcacagcggg	caccctgctt	gatccagagg	gatggaagtc	agtggcaggt	120
ctgcaacagc	ggcaaagaac	aatgggtggac	aataagcaaa	agctcagctc	aatccgtaac	180
aaacacggac	cagaagagag	tgcagttgca	agatttaata	gagtggaaac	agagctccca	240
tacaaagga	ggggacccaa	agagggtage	cgttgctggc	tggaatgcct	gggtttatgt	300
cctgatcatt	gtccctcccg	ctgtgctctc	aggcaataga	tgattggcta	tttctttacc	360
tctgttttt	gcctaattag	catttttagtg	agctctcttc	actacctgat	tggtcgggtg	420
tgagataagt	tgcaagcccc	atgtttaaag	gtggatgtgg	ttaccttccc	agctaggctt	480
agggattcct	agtgggccta	ggaaatccag	ctagtctgt	ctcttagtag	ccccctctca	540
caggaaaacc	caagtgtct	tgcggagggt	ggctgacaac	agctctaact	gcttctgtct	600
gaattggggc	atagtaaggg	tcgtgcagtt	gaaatttctt	tgggaggggt	gccttcgatg	660
tcatcaactt	cggagcatgg	gctagcaggg	cggctccagg	gtccatggta	gatcttagtc	720
atggactgca	tctggggctc	catttggaaga	atgatttgta	gttttacagc	tttgattctg	780
gaagagacaa	acttaacaag	gaggttaaag	atacagggat	tgaaatgtat	ggcctgcagt	840
gcaggggatt	attccttttg	cacactttac	aagctctgac	tatctgcttg	acagttttga	900
aaaggcctgg	tccagtaaag	aataatttgg	ccatctgatg	ggtgctatca	atggttaagt	960
cgaaggtttg	gtgaagggtt	ttaagtaatt	tctattgggt	agctgcaggc	aaaagtattt	1020
ttctttcttc	ggtggctagc	catctggagg	ggaggaaagt	atgtccttgt	aaggttcctc	1080
attctatttc	tcctgctgag	tactggggct	tggtttccca	gaggggatta	ccccatacta	1140
gaggtccttc	tataagcatt	tctaattggag	ggtcctgcct	tgcggctctt	ttggcttcaa	1200
tatccgcttg	gtggttccct	tctatttctc	tttcctttcc	cttctgatga	ccccagcagt	1260
gtaagactgc	cacctcttta	ggtttctgta	cagccaataa	taatctocta	atggctttct	1320
gatgattgat	aggtgttccc	tcagaagtta	ggaatgcctt	tcttgagatg	gagtttcaact	1380
cttgttgccc	aggctggagt	gcaatggcgc	catctcggct	cactgcagtc	tccaactcct	1440
gggcacaagt	gatccccag	cctcagcctc	ccaagtagct	gggattacag	gcgcccgcga	1500
ccatgcctgg	ctaatttttg	tattttttgt	a			1531

<210> 4661  
 <211> 799  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (70)...(218)

<223> similar to gil403532 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4661
taaaggtggt aaagcactgg tctaaaacaa tcttggtgga aatgaaatgt ttttttctct 60
gtcttctttc aggtctttgt tgagtatgca aatgctggtg attccaaagc tgcgcagaaa 120
ttactgactg gaaggatggt tgatgggaag tttgttggtg ctacattcta cccgctgagt 180
gcctacaaga ggggatatct gtatcaaacc ttgctttaat cagtaacctt aggactgttt 240
cctttttctc ctcttccatt tcttggttta ttccacatat gaatgcagga ctacccctt 300
accattttta gaaggacttt tatacattta tttaatccta ctaatgtgca gccattgcc 360
aagcagtgcac tgcgttgcat acatttgga ctgagtagga caagacctct cagctataca 420
ttgaggggtt ttagagcatc catgtgggca accctttttt gtgcgggaga gcaggtgttg 480
ctcttcagta ttagcctaa aaaaatctta attatttcat ggatcatgaa gcaaggatga 540
ataatatcat gtcttggtta atactaacia atttggttagg tttggtgaca tcatttacag 600
attatttctt tatgtgtgcc agtgggtctt ccttattgtt gatattcata agctggcact 660
ggatgctctc agtaattgta agtaattgtc aagcagcagt tacctactgt gttcttaaca 720
ctgagttgtg aattttttct taaagcagta ctgtagtact gaatattcct ttaaaggaac 780
tgcagtgcgc ctatctaag 799

```

<210> 4662

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1160)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (695)...(301)

<223> similar to gi3875860 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4662
tttttttttt ttagtcaacc aagtaagtga ttttattatt atcaactata acattcaaatt 60
cagattacat aaaaatggtt ctataaaatt atattttaat tacaatttcc tattgaagga 120
ctacaccttc ctgaccttcc cccacagtga ttcggcacat aaaacaggtg ctgaactgta 180
gcagttgttt tactccatcc ttaggttag agaaactcat cagaagaaag tttcaatcac 240
ttcactgtta ttttctgcaa ttcttattct cttatagccg ataacttca ggtggagtcc 300
acaatcttgg gaaggcgtct atttcttctt gtgtgtactc atctagacgt ttaggtattt 360
ttcgtggttg aggaagctcc tctactaaat tcttaagaat atcttctgga atatactcat 420
ctggaaaaag atgcaacctt tccatcattg ttcttctgtg aagggtttttt ggcagcatgc 480
cataaatagc tagttttaca attgccactg gatccctcag gtgaagctga gcagctgtta 540
cttgtctaaa tccacctggg tagccagtat gcgaagagta tactttttgt tcccatttgt 600
ttccagaaaa tgcaatgtgt cttgtgttca ttataacaac atgatcccca cagtcaactca 660

```

gtgcatggta	cacaggttta	tgtaatccct	gaagtcttat	agatgccata	gcagcaagtt	720
tgccagggtg	ctgcattttc	ccatctaaga	gataccatat	tctagcaaaa	gtggccatt	780
gctggggcgc	cctagagaaa	ctcgacatat	tcctctacta	gcaggaccgt	acgtccttct	840
cctagtagcc	acgccgggtc	actcagcctt	actggccccg	cgggaaacgc	taacacccaa	900
gcaggacagt	tcctagcccc	tcgagcaett	gtcggtttct	ccctcttctt	cgagtttctt	960
ccagtcttct	ccacggcagc	aatttcgtca	tgaaaggagc	atataatgca	gttatttagg	1020
gaataactcc	caaaaatatc	tcgcttggtg	gaaaaactgc	ggaaaaccga	cggaggacat	1080
aatttcacgc	cgacctaaac	gaagggaaga	attcncccgc	nctggcgtaa	tggcttacta	1140
ttttctaann	naggccctc					1159

<210> 4663

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (12)...(462)

<223> similar to gi5689463 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4663

gcgggtggaat	tcacctagga	agcagtgcc	aaatcaaagt	caatagttgc	caaagctacc	60
atgagtctac	taaacagctc	acaatgaaaa	aattacccat	tgtggcttgt	tttcatctca	120
agcggtttga	gcatgtaggc	aaacagaggc	gaaagattaa	tacctttatc	tcctttccct	180
tgagctgga	catgactccg	tttttgccct	ctactaaaga	gagcagaatg	aaagaaggcc	240
agccaccaac	agattgtgtg	cccaatgaga	ataagtattc	cttgtttgca	gtgattaatc	300
accatggaac	tttggaagt	ggccactata	ccagcttcat	cgggaacaa	aaggaccagt	360
ggttcagctg	tgatgatgcc	atcatcacca	aggctaccat	tgaggactta	ctctacagtg	420
aagggtatct	actgttctat	cacaaacagg	gtctagagaa	agactagtct	taccagacca	480
cttactgaaa	aaaaagtaaa	tgattaggca	aggattttga	agtacacac	agacctactt	540
ggaatggaca	atgacagtaa	cacctatgtg	acagctagta	tcttgatata	aagaacctat	600
tttagcatgg	cccatgggtc	tgctcggaaga	aaaaaatgaa	tactaaccag	tgaccattca	660
acc						663

<210> 4664

<211> 1959

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (407)...(827)

<223> similar to gi2842510 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4664

```
actgacttta aggggcttgc ttttgggtgtg tggctttcaa aattaattta aaacgggaaa 60
tgataaatta gaaatactct tgtgggtatta gatatatctc tgaatgagta gtagagagaa 120
attagcttgc cttgtacctt ttgtatgctt aacaaaatag ccgatttatt atgctttatt 180
aagcattaat gagcatatat ttttcatggt tgcaattttt agacaaattg atgtactttt 240
tatcttgtac gtggatataa tgaatagaat atacataaaa ttcatacttt acatatgtgt 300
gtatatatat atatatatct agggctggaa gaaagaaaga attctggctg aataccctga 360
tggcaggata ataattgggt ttcctgaaga cccaaagtat gccctgaaaa aggttgacga 420
gattagagag atgggttgaca atgatttagg ttttcaacag gctccactaa tgtgctattc 480
cagaactaaa acacttctct tcatttccaa tgacaaaaaa gtagttggct gcctaattgc 540
ggaacatata caatggggct acagagttat agaagagaaa cttccagtta tcaggtcaga 600
agaagaaaaa gtcagatttg aaaggcaaaa agcctgggtg tgcctaacat taccagagcc 660
tgcaatctgc gggatcagtc gaatatgggt attcagcatg atgcgtcgga agaaaattgc 720
ttctcgcagc attgaatgcc taaggagtaa ctttatatat ggctcatatt tgagcaaaaga 780
agaaattgct ttctcagatc ccactcctga tggaaagctg tttgcaacac agtactgtgg 840
cactgggtcaa tttctggtat ataattttat taatggacag aatagcacgt aaaacaaatt 900
cttgccatac ccactagaag acatctattg aagagaatgg attgggtgct gactttaacc 960
aggaactagg gccattttta ttacaatgaa ctaggactg gcaacaacca tatgggtggt 1020
ccattttcat aaaattggaa acaatgcagt aatagcttat tgttttggtt tttaaagaag 1080
atattttatt atcttttaca gaaatttatg attgatgtat tttatctata gttatttaga 1140
catgtttaca tgcagcagat aattgttcat agtggactga aaactaatgc aaggactatg 1200
gtctcagtga taagtatatt ttgaagttct taatatggaa atataccagt gtagcttggg 1260
actgtatttt tttatattga tctgctgata ccagtgatag gcttaaagat tgtattttca 1320
cagagtggaa accaattttt ttagttattg ttcaaggagg gtgcaatatt aagtgttttg 1380
gaatttgaag ctaattttta aaaggcctga actatacttt gaagaaaccc ctatagaaaa 1440
ggaaagctcc agctaaatag gaagaattag aatattgagc ttttttttcc tgatttttct 1500
ctttcctatc tttgatggaa ggaggaagta gaaagtggta aagaattgag gctttccttc 1560
ttggagagct ttaaattgaca agcattagga aaggtaccct cctagattca ttattccttc 1620
attctggttt cactttttaa ataaatggca acttggcaca cctaggctgt taacaaatct 1680
caaagaggtt tataaaaacg tatagaatac ttggaagcaa agtatggatg actcggtatc 1740
tgctttgtta ttcctcagaa atactgcact gagtatatgc cctcattact ggacttcatt 1800
ttgatacttg tctatccttc atagtgcctt ctacttttaa aggggtttata tgttgaaaaa 1860
ctgctgtggc cttttatgac ctgtatataa tgtagaataa aaataataaa atacttgata 1920
gctttttcta agtgaccaat gtactaacta aaaaaaaaaa 1959
```

<210> 4665

<211> 1531

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (122)...(1266)

<223> similar to gi2280485 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4665

ctggagcggg	cccgccggac	gctaccgcct	ttccagccgg	agccagcgcg	agctcggcac	60
gggggacacc	cggtccgagg	cgggcaagcc	ggctgggtgcc	cgagtcggcc	aagcatgggc	120
aaccactcag	gacggcccga	ggatccggaa	ccaggtggaa	aaggattatt	catacctgaa	180
ggagatatgt	gatcaccaag	ccgaacagct	gagcagaacc	agcctaaagc	tgcaagaaaa	240
agcatcagag	agtgatgcag	agatcaaaga	catgaaagaa	accatatttg	aattggaaga	300
tcaggtggaa	cagcaccggg	ctgtcaagtt	acacaataat	caactcatca	gtgagctaga	360
aagtagtgtg	atcaagctgg	aggaacagaa	gtcagacctg	gagaggcagc	tgaagactct	420
gaccaagcag	atgaaggagg	agaccgagga	atggaggcgg	ttccaggcgg	atctgcagac	480
cgcagtgggtg	gtggccaatg	acatcaagtg	tgaggcccag	caggagctgc	gcaccgtgaa	540
gaggaaactg	ctggaggagg	aggagaagaa	tgcccggttg	cagaaggagc	tgggggatgt	600
gcagggccac	ggcaggggtg	tcaccagcag	agccgcccct	ccacctgtgg	atgaagagcc	660
agagtccctc	gaggtcgatg	ctgctggctg	gtggcctggg	gtctgtgtta	gcagaacatc	720
tccaacaccc	ccagagtcgg	caaccaccgt	taagtcactt	atcaagtcat	ttgacttggg	780
acgcccagggt	ggagctggac	agaatatttc	tgtccataag	acccccagaa	gtcccctaag	840
tgggatacca	gtgaggactg	ctccagcagc	tgctgtctct	ccaatgcaga	ggcattcgac	900
ttacagcagt	gtgcggccag	ccagcagagg	ggtgactcaa	cgtttggacc	ttcctgacct	960
ttccctctca	gatattctaa	aggggaaggac	tgagacctg	aagccagacc	cccacctccg	1020
caagagtccc	tcactagagt	cactgagcag	acccccgtct	ctgggctttg	gggacacaag	1080
actgctgagt	gcttccaccc	gggcatggaa	accacaaagc	aaactcagtg	tggaaagaaa	1140
agaccctctg	gcggccttgg	cccgggaata	cgggtggttc	aagcgcaatg	ctctactgaa	1200
atgggtccag	aagaagacac	aaggttatgc	gaacattgac	atcaccaatt	tcagcagcag	1260
ctggagcgat	ggcctggcct	tctgtgctct	gctccacacc	taacctgcctg	cccacatccc	1320
ctaccaggag	ctgaatagtc	aggagaaaaa	gaggaatctc	ttgttggcat	ttgaagcggc	1380
tgaaagtgtg	ggcatcaaac	ccagcctgga	actcagcgag	atgctgtaca	cagaccggcc	1440
cgactggcag	agtgtgatgc	agtacgtggc	ccaaatctac	aagtactttg	agacgtaacc	1500
ctggaggggt	tggggcagcc	accattgccc	t			1531

<210> 4666

<211> 838

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(839)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (603)...(709)

<223> similar to gi4589616 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4666

ctaatacaag	ctctagtgtg	ttattagcaa	acacttaaaa	aatatgtaaa	taccagtact	60
gtggaaaata	attagatgac	acataaactg	gattttaa	ccatctcatc	tgccatagatt	120
ttatgtgaag	gatataatga	aggtgcctta	aaatatttga	tactttcaaa	tgtttctcat	180
gttattttct	tattttctaa	aaaagatgta	ttcactaaat	tatatacact	catataataa	240
ttaaataata	aatacattct	tttattgtgt	acctttctat	ctagaaggta	gcacattatt	300
acagtgtttc	ctgctgggtc	aagttgccta	ttagagaaat	agaatggtaa	ttttaatata	360

ttcacaaaat	accttattga	tatcatcaaa	ccaatttata	cattgagttt	gtaccaacta	420
gtggaattgt	cttaggtcta	ttaagttatg	gaatattata	tccataatta	cagtctgagt	480
catagctgaa	aaaatctgct	ttaaaattat	tctcactctt	tgaacatttc	ataatcttac	540
atgttttcaa	gcaatttgcc	atactctact	aacctttgtg	cttctttttt	cctttgccat	600
gcttacagaa	aattcaattc	tacagggagt	ggattatgac	tcacagtagc	agtagtgatg	660
atgatgatga	tgatgatgat	gatgatgagt	cagatctaaa	ccattaaaaa	tcatatgttc	720
tttattttac	ttggaatgtt	tcattaacat	gttttgatg	acttatacca	taatgcccac	780
atgtccattt	ataggggagg	taaaacacat	tttnccttaa	aatgttttcc	tacacatt	838

<210> 4667

<211> 1570

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (193)...(686)

<223> similar to gi3790173 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4667

aatagagaag	gtgccagaaa	gatccaaaac	aagtggctgc	ggccgctgcc	caggagtcac	60
cggacgccag	aatctgtgtc	tccagaacgc	tatagctatg	gcacctccag	ctcttcaaag	120
aggacagagg	gtagctgccc	tcgccgtcgg	cagtcaagca	gttctgcaaa	ttctcagcag	180
ggtcagtggg	agacaggctc	ccccccaacc	aagcggcagc	ggcggagtcg	gggcccggccc	240
agtgggtgtg	ccaaacggcg	gcggagaggg	gccccagccg	caccccagca	gcagtcagag	300
cccgccagac	cttctctga	aggcaaagtg	acctgtgaca	tccggctccg	ggttcagagca	360
gagtactgcg	agcatggggc	agccttggag	cagggcgtgg	catcccggcg	gccccaggcg	420
ctggcgccgc	agctggacgt	gtttgggcag	gccaccgcag	tgctgcgctc	aagggaacctg	480
ggctctgtgg	tttgtgacat	caagttctca	gagctctcct	atctggacgc	cttctggggc	540
gactacctga	gtggcgccct	gctgcaggcc	ctgcggggcg	tgttcctgac	tgaggccctg	600
cgagaggctg	tgggcccggg	ggctgttcgc	ctgctgggtc	gtgtggatga	ggctgactat	660
gaggctggcc	ggcgccgcct	gttgctgatg	gaggaggaag	gggggcggcg	cccagacagag	720
gcctcctgat	ccaggactgg	caggattgat	cccacctcca	agtctccggg	ccacctcttc	780
ctgggaggac	gacctctct	acccttagag	gactgtcact	ctagcatctt	tgaggactgc	840
gacaggaccg	ggacagcagg	ccccttgaca	gcccctccca	caggatgtgg	gctctgaggc	900
ctaaaccatt	tccagctgag	tttcttccc	agactcctcc	tacccccagg	tgtgccccct	960
tagcctccgg	aggcgggggc	tgggcctgta	tctcagaagg	gaggggcaca	gctacacact	1020
caccaaaggc	ccccctgcac	attgtatctc	tgatcttggg	ctgtctgcac	tgtcacaggt	1080
gcacacactc	gctcatgctc	acactgcccc	tgctgagatc	ttccctgggc	ctctgcccctg	1140
gcctgcttcc	cagcacacac	ttctttggcc	taagggtctc	tctctcagga	cctctaattt	1200
gaccacaacc	aacctgggct	tcagccacat	cagtgggcac	tggagctggg	gtgcacatgg	1260
ggcctgctca	ccttgcccac	acatctccag	ccagccaggg	ccctgcccag	cttcaattta	1320
cagacctgac	tctcctcacc	ttccccctg	ctgtccagag	ctgaacatag	acttgacttt	1380
ggatgtcacc	tggagtgtca	catgggagtg	ttatggcagc	atcataccaa	ggcctactgt	1440
tgacatggg	gccccaaacca	gtaaacagcc	accttcttgg	aaagggaatg	caaaggcttt	1500
gggggtgatg	gaaaagacct	ttttacaaat	gataccaatt	aaactgccct	gggaaagggc	1560
attaggtggg						1570

<210> 4668  
 <211> 1264  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1216)...(630)  
 <223> similar to gi4530425 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4668

tttttttttt	ttggttgcca	tttttctttt	ttaatgatca	ccatgaaatc	caactgggcca	60
ggccctggtg	ttctgctgcc	atagtcagag	tcagagtggg	gggatgaccc	caggagggga	120
caagaagcca	agactgggct	ggggagccga	gaaggagata	gataaggggg	agaggggtgca	180
gtggggcagg	cagaggagga	agtctggagc	cctggataac	aacacagata	taaggtgaag	240
gcttccctct	gccaccccag	ccctgagcca	cagacgttga	ggtgcaagaa	gatggggatt	300
ttggccacaa	ctcctttccc	atgtcaaagg	gaagacactg	agagcagaca	aaggccaagt	360
gcccaggggc	acaagaacaa	gttaacaagt	aaaacaatta	gggacaccac	ctcctttccc	420
cagcccattt	ttcacattta	caactgaagc	aatttgacaa	gatgatataa	aaatctcaaa	480
caaattttct	agcccctggt	cggggtgtgg	acaggaagtg	gtatcccgtg	atccagaaat	540
caacacctaa	aatccagagg	caggaggcaa	gccatgaagg	gtggggaggg	aaggaggagc	600
tcccacagtc	actaggtcac	ctgctccgtg	ggcctcatct	ggatgtctcc	aatctggatg	660
tgtgcggggg	tgctgaggac	gtagataaca	gcctcggcca	catcctcggg	tttgagacac	720
ttcatttgct	cataggtggc	agctgccttc	tcagggtcct	tgctcgtggg	tttgaaggcg	780
aatttgtgtc	ccaccacacc	tggagagatg	cacgtggctc	ggatgtgggt	ctgggcctcc	840
cgaagctctt	gcctcagtc	ctctgtcagc	gcagtgacgg	catacttggg	ggcactatag	900
aagtgggtca	cagacagggg	taacactcgg	tggccagaca	tgctattgat	gttaatgatg	960
tgcccacgtg	ccacattccg	ctccttcacg	gactggtagg	cttcccgtgt	gcagatgctg	1020
agggccagca	cgttcacatt	gaacatgtcc	ttccaaccac	tggtgctgcc	tgagagcagg	1080
gtgtcaggcc	gggccaagcc	agcattgttg	atgcagatgt	ctacaccgct	gtgctgagaa	1140
cggatagctg	agaacatgga	gaggatgtcc	tcttcatttg	ataggtcaca	tctgtagggg	1200
atcaaagtcc	cggggtagcc	tgcactctta	cattcagcag	ccagctccta	tgaaacccaa	1260
cagc						1264

<210> 4669  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (373)...(163)  
 <223> similar to gi8063 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 4669
tttttttttt ttttgattaa atgtttcttta tttgatgctt ttgtgtgcac aacacttata      60
aggagttgcc caattcacca agtcagcccc ttcacacct tagttaaggt ggccattaag      120
gggccagggg gtggcaatca gtaagttgcc tcttgccctaa ctctctttct ccaaccattc      180
tctataggct ccagcgtagt tgcgagcccc agtgtatcca agactccggg ccagctgcgt      240
ggcctggagg ccccgttgc ccatctgaca gaagaaaacg agatgtcat cttccagctt      300
tggcttctca gcagaatata aagcctggaa ggcagctggc tccatctgca gagcactctc      360
caactcggac actccagcca tggtgcgct agcaaccgcg agtctccgga gtgcggcgct      420
ggcccgcct ctcggcgcat gcaacatctc ccgttcctc ccagagctga gaccacgaaa      480

```

<210> 4670

<211> 1774

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1322)

<223> similar to gi402649 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4670
gctccaaata ctgcagaatt aaggatttgt cgtgtaaaca agaattgtgg aagtgtcaga      60
ggaggagatg aaatatttct actttgtgac aaagttcaga aagatgacat agaagttcgt      120
tttgtgttga acgattggga agcaaaaggc atcttttcac aagctgatgt acaccgtcaa      180
gtagccattg ttttcaaaac tccaccatat tgcaaagcta tcacagaacc cgtaacagta      240
aaaatgcagt tgcggagacc ttctgaccag gaagttagt aatctatgga ttttagatat      300
ctgccagatg aaaaagatac ttacggcaat aaagcaaaga aacaaaagac aactctgctt      360
ttccagaaac tgtgccagga tcacgtagaa acagggtttc gccatgttga ccaggatggt      420
cttgaactcc tgacatcagg tgatccacc accttggcct cccaaagtgc tgggattaca      480
gttaattttc ctgagagacc aagacctggt ctctcgggt caattggaga aggaagatac      540
ttcaaaaaag aaccaaactt gttttctcat gatgcagttg tgagagaaat gcctacaggg      600
gtttcaagtc aagcagaatc ctactatccc tcacctgggc ccatctcaag tggattgtca      660
catcatgcct caatggcacc tctgccttct tcaagctggg catcagtggc ccacccacc      720
ccacgtcag gcaatacaaa cccactgagt agtttttcaa caaggacact tccttctaat      780
tcgcaaggta tcccaccatt cctgagaata cctgttggga atgatttaa tgcttctaat      840
gcttgcattht acaacaatgc cgatgacata gtcggaatgg aagcgtcatc catgccatca      900
gcagatttat atggtatttc tgatcccaac atgctgtcta attgttctgt gaatatgatg      960
acaaccagca gtgacagcat gggagagact gataatccaa gacttctgag catgaatctt      1020
gaaaaccct catgtaatc agtgtagac ccaagagact tgagacagct ccacagatg      1080
tctcttcca gtatgtcagc aggcgccaat tccaatacta ctgtttttgt ttcacaatca      1140
gatgcatttg agggatctga cttcagttgt gcagataaca gcatgataaa tgagtcggga      1200
ccatcaaaca gtactaatcc aaacagtcac ggttttgttc aagatagtca gtattcaggt      1260
attggcagta tgcaaaatga gcaattgagt gactcctttc catatgaatt ttttcaagta      1320
taacttgcaa gatttaaate cttttaaatc ttgataccac ctatatagat gcagcatttt      1380
gtatttgtct aactggggat ataatactat atttatactg tatatataat actgactgag      1440
aatataatac tgtatttgag aatataaaaa acttttttca gggaagaagc atacaacttt      1500
ggacatagcg aatacaaaat tggaagctgt cataaaaaga caactcagag gccaggcgca      1560

```

```

ggggctcaca cctgtaatcc tagcactttg ggaggccaag gcgggtggat cacttgagac 1620
caggaattcg agaccagcct ggccaacatg gtgaaacccc gtctctacta aaaatacaaa 1680
aattagctga gcatggtggt acgtgcctgt actgtcagct acttgggagg ctgaggcaca 1740
ataattgttt gaaccaggga agcagagggt gcag 1774

```

```

<210> 4671
<211> 767
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (14)...(265)
<223> similar to gi667063 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4671
ggcacgaggt ctctgtccac ttggatatac aggcttaaag tgtgaaacag acatcgatga 60
gtgcagccca ctgccttgcc tcaacaatgg agtttgtaaa gacctagtgt ggggaattcat 120
ttgtgagtgc ccatcagggt acacagggtca gcggtgtgaa gaaaatataa atgagtgtag 180
ctccagtcct tgtttaaata aaggaatctg tgttgatggt gtggctggct atcgttgcac 240
atgtgtgaaa ggattttagt gtaagatggt tccagtcttc ctatgttgtc ttaaaatctt 300
gtaaaccacc acaaattagt acatttctta acatatannn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa aggcaaactt tcaagaagga actggagaca 540
aatcatgtaa tatgatattg caaacagatg tacaataata tggtttaaaa gtgtatgctt 600
aatttctaaa gagtaaatcc aagaaagtgt ccagtgaagg aaaaaggcaa gatcaaagaa 660
acaggcaagt tttgaatgga atttactagc tttatttctt aacattatct caattagatg 720
tctattacca aacttaattt caacaaaaag taagatttaa aaaagca 767

```

```

<210> 4672
<211> 769
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (19)...(239)
<223> similar to gi3043626 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4672

ggtttgagac	cgtatccatg	gatggaattc	catccgataa	tgggctgggg	tgagaaagcc	60
attgagatcc	gctctgtgga	gacggggccac	ctcgacgggg	tcttcatgca	caaacgagct	120
cagaggctca	agttcctgtg	tgagcgggaat	gacaagggtg	tttttgctc	agtccgctct	180
gggggcagca	gccaagttaa	cttcatgact	ctgaaccgta	actgcatcat	gaactggtga	240
cggggccctg	ggctggggct	gtcccacact	ggacccagct	ctccccctgc	agccaggctt	300
cccgggcgc	ccctctttcc	cctccctggg	cttttgcttt	tactggtttg	atttcaactgg	360
agcctgctgg	gaacgtgacc	tctgaccct	gatgctttcg	tgatcacgtg	accatcctct	420
tccccaacat	gtcctcttcc	caaaactgtg	cctgtcccca	gcttctgggg	agggacacag	480
cttccccctt	ccaggaattg	agtgggccta	gccccctccc	ccttttctcc	atttgagagg	540
agagtgttg	gggttgaa	cccttacc	actgctgtg	actgggcagg	gccctggacc	600
cctttatttg	cacgtcagg	gagccggctc	cccccttgaa	tgtaccagac	cctggggggg	660
gtcaactggg	cctagatttt	tggggggtca	ccagccactc	caggggcagg	gaccatttct	720
tcattttctg	aaagcacttt	aatgattccc	cttcccccaa	actccagg		769

<210> 4673

<211> 1999

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (24)...(172)

<223> similar to gi4240297 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4673

cctagtccgt	gtgggtggaat	tccatgcaga	atatattggc	agttctcttg	agtcagctga	60
tgaaaaccca	agagccagca	ggcagtctgg	aggaaaacaa	cagtgacaag	aacagtgggc	120
cacagggggc	ccgaagaact	cccacaatgc	cacaggagga	ggcagcagag	aaaaggcccc	180
ctgagcccc	cggacctcca	ccgccgccac	ctccaccccc	tctggttgaa	ggcgatcttt	240
ccagcgcccc	ccaggagttg	aaccagccg	tgacagccgc	cttgctgcaa	cttttatccc	300
agcctgaagc	agagcctcct	ggccacctgc	cacatgagca	ccaggccttg	agaccaatgg	360
agtactccac	ccgaccccg	ccaaacagga	cttatggaaa	cactgatggg	cctgaaacag	420
ggttcagtgc	cattgacact	gatgaacgaa	actctgggtc	agccttgaca	gaatccttgg	480
tccagaccct	ggtgaagaac	aggaccttct	caggctctct	gagccacctt	ggggagtcca	540
gcagttacca	gggcacagg	tcagtgcagt	ttccagggga	ccaggacctc	cgttttgcca	600
gggtccccct	agcgttacac	ccggtgggtc	ggcaaccatt	cctgaaggct	gaggggaagca	660
gcaattctgt	ggtacatgca	gagaccaaat	tgcaaaacta	tggggagctg	gggccaggaa	720
ccactggggc	cagcagctca	ggagcaggcc	ttcactgggg	gggcccact	cagtcttctg	780
cttatggaaa	actctatcgg	gggcctacaa	gagtccacc	aagaggggga	agagggagag	840
gagttcctta	ctaaccaga	gacttcagt	tcctgaaaga	ttcctttcct	atccatcctt	900
ccatccagtt	ctctgaatct	ttaatgaaat	catttgccag	agcgaggtaa	tcactctgcat	960
ttggctactg	caaagctgtc	cgttgtattc	cttgctcact	tgtactagc	aggcgactta	1020
cgaaataatg	atgttggcac	cagttcccc	tggatgggct	atagccagaa	catttacttc	1080
aactctacct	tagtagatac	aagtagagaa	tatggagagg	atcattacat	tgaaaagtaa	1140

atgttttatt	agttcattgc	ctgcacttac	tgatcggaag	agagaaagaa	cagtttcagt	1200
attgagatgg	ctcaggagag	gctctttgat	ttttaaaagt	ttgggggtggg	gggttggtg	1260
tggtttcttt	cttttgaatt	ttaatttagg	tgttttgggt	ttttttcctt	taaagagaat	1320
agtgttcaca	aaatttgagc	tgctctttgg	cttttgctat	aagggaaaca	gagtggtcgt	1380
gctgatttga	ataaatgttt	ctttcctctc	caccatctca	cattttgctt	ttaagtgaac	1440
actttttccc	cattgagcat	cttgaacata	ctttttttcc	aaataaatta	ctcctcctta	1500
aagtttactc	cactttgaca	aaagatacgc	ccttctccct	gcacataaag	caggttgtag	1560
aacgtggcat	tcttgggcaa	gtaggtagac	tttaccagct	ctctttcctt	ttttgctgat	1620
gtgtgctctc	tctctctctt	tctctctctc	tctctctctc	tctctctctc	tctctctctc	1680
tgtctcgctt	gctcgctctc	gctgtttctc	tctctttgag	gcatttggtt	ggaaaaaatc	1740
gttgagatgc	ccaagaacct	gggataattc	tttacttttt	ttgaaataaa	ggaaaggaaa	1800
ttcagactct	tacattgttc	tctgtaactc	ttcaattcta	aaatgttttg	ttttttaaac	1860
catgttctga	tggggaagt	gatttgtaag	ttggacagc	ttggacattg	ctgctgagct	1920
gtggttagag	atgatgcctc	cattcctaga	gggctaataa	cagcatttag	catattgttt	1980
acacatatat	ttatatgtc					1999

<210> 4674

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (159)...(257)

<223> similar to gi2145041 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4674

ggaattcccc	cctcaggtcc	cagccttctc	ccaagagatg	ggagtgcctt	tccattccgg	60
taaagattcc	aggcttctca	ggaacgggca	cgcaaagaat	aagatgggtt	gatgggttgc	120
aagcactcctg	gctcactctc	accctatgct	aaactcaggc	gaccgtgctg	tgtgacatca	180
tagtcctcta	ctgcatgaag	aaaagactct	actatcgga	gaagaaatat	aaatatgtgg	240
aagattacga	gcaggtaggc	ccctcctggc	ccccagcagg	cacaggcctc	tcctctcttg	300
ggtgtgggag	ccctgggcgt	gggcctgtct	ggggaggccc	ttctgcagag	gctggcacca	360
gtgtggcggtg	gtgtccccgt	taaccggggc	agtcctgcc	ctctcagcag	ctgtccatc	420
cctaggcccc	tgtactagat	tgactcttta	aaccagcct	cgtttcaatg	agcgacatct	480
caggttggtg	atgataatgc	atgctctgag	aatgcctgtg	ggcacacact	acttcagtgc	540
accttgcgga	acaggaagg	ttgggttcca	ggcctgggac	caacttgaga	acccctggcg	600
gtgaagtccc	aggagcgcac	ctccctcccg	cctgccacaa	ggggctccag	gggcaccttg	660
atctgcttgt	gtccttcttt	gcagggtctt	gctagtgagc	tggaccagtg	aggcctaccc	720
cacacctggg	ctctccacag					740

<210> 4675

<211> 2815

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(950)  
 <223> similar to gi531523 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4675

aagatggatc	ctcacgcggt	ggagatcagc	cgaggagagcc	ttctgctgca	ggacagcgac	60
tgcaaggcgt	ctccggaggg	ccgcgaggcc	cacaaacacg	gcctggccgc	cctcagaagc	120
acgagccgca	acgaatacat	ccactcaggc	ctgtactcgt	ccttcacccat	taattccctg	180
cagaaccac	cagacgcctt	caaggccatc	aagacggaga	agctggagga	gccgcccga	240
gacagccccc	ccgtggaaga	agtcaggact	gtgatcaggt	ttgtgaccaa	taaaaccgac	300
aagcacgtca	ccaggccggt	ggtgtccctg	ccttcacagt	cagaggctgc	ggcggcgctc	360
gccttcctgg	cctcgtccgt	ctcggccaag	atctcctctt	taatgttgcc	aaacgctgcc	420
agtatttcat	ccgcctcacc	cttctcatct	cggaccccg	ccctgtcccc	caactcacc	480
ctcccttctg	aacacagaag	cctcttcctg	gaggccgcct	gccatgactc	cgattccctg	540
gagcccttga	acctgtcatc	gggtcccaag	accaagtctc	catctcttcc	cccaaaggcc	600
aaaaaacc	aaggcttgg	aatctcagcg	cccccgctgg	tgctctccgg	caccgacatc	660
ggctccatcg	ccctcaacag	cccagccctc	ccctcgggat	ccctcacc	agccttcttc	720
accgcacaga	caccaaattg	attgcttctg	actccgagtc	cactgtctct	cagcatacat	780
ttctggagca	gccttagtcc	agttgctccg	ctgagtcctg	ccaggctgca	agggccaagc	840
acgctgttcc	agttccccac	actgcttaat	ggccacatgc	cagtgccaat	ccccagctctg	900
gacagagctg	cttctccagt	actgctttct	tcaaactctc	agaaatcctg	atgacgtctg	960
gccacaatta	aggactcatt	aactgatgaa	acaaatttgt	ccccacgggc	tagtttacct	1020
gtgtcgtgag	aaggacattg	tgaaactctt	gttaattttg	tttgcacttt	tcataacatg	1080
gatatgtctg	atttatgtta	gcatttttaa	aactgttttt	gatataattca	agtatatatg	1140
aaaatctgtt	tggcatgaag	tgaattttaa	tgtttttgtt	tttatatcct	tttagctctt	1200
aagtgttgaa	cactgttgac	agtgaagaac	ttttcttaat	ggttttcagt	ataactaata	1260
aggatgtgaa	gcttttttct	ctttagttct	gagtatgcta	aactgtgtgc	ttatatagac	1320
tataaccagt	tgtgccttcc	ttcgcattta	atgtaaata	atgatttata	tatttttttag	1380
tattaagagg	aatgttttga	aagatgaaaa	ttagtatcaa	acagctctct	agtagaattt	1440
cattattttt	caccagtggg	caatatgaaa	gcataatca	cgtttttgtt	tactttcaat	1500
tgtataagaa	ttgccttaga	acctcttttg	aactgaaatt	cagtaaattgt	ccaagtaattg	1560
tttttataat	aaactaagcc	atatttagac	aataaacatt	gataaaagaa	aatgttctaa	1620
agtacatttt	caaaagaatg	gaccttgaaa	ggctagcctc	cttagctgtt	tacagtatct	1680
tatcttttag	atgcctccca	gacaaaaatc	tgagatggaa	aagctacatc	aagtttatgc	1740
tattccaggc	ccaagaatat	ctcctaggtt	agcatattct	tatttcaaaa	aattagccct	1800
ggttttctca	gttttccata	gggaatccc	accatctgat	atatttactg	tgtcagtata	1860
agtaagttgg	ggttccccctg	gaactataat	taacatttaa	aaaatcta	gcttttagaag	1920
aagctcacag	agtgggtgatg	aacccaaaca	acaaagaaac	catttttaac	actaggtatc	1980
ttcatcagta	taggtaggtg	ttcacaattt	ttgatggatc	aaaaacttgc	tgtaatacaa	2040
atagagagt	gaggtactaa	aggccttgct	tgtggaaact	gagagaggat	acactgcttt	2100
atgtattact	aaagttaggg	gagaatgaag	gaaatctgac	agatgaaaaa	ttctacagga	2160
acctcatcat	cgtggaactg	aactgatgat	aacttggaac	actccagtaa	attctgttgt	2220
gtaattgaat	ttggagcagt	gataatacag	acataatttc	tgttccatca	gaaaaatcagc	2280
aggcaccagt	ccaaagggtac	cacacctgta	catgaagaag	gaaagttcta	atacaagaaa	2340
actgaaaagc	accaaagctt	taaattcaag	tattaattac	aatccttaac	tataagtgat	2400
gataaaaact	aacttggaaa	tgtggactaa	ataactgac	ccaaactggg	cattaagtgg	2460
caggattatg	agaaaggata	aaaaaagaga	tttgagaaaa	cacatttctt	tgaattttca	2520
gaaaaaaatc	taggactatt	gctttgacac	ttaggaaatt	ctgaggtttt	tccaattggg	2580
gattgaggca	tctctgtatg	tggggatgtg	ggcccttctc	aagggataaa	aatccaacac	2640
tctaacatgc	ctccttgact	gtaaagta	gacactggtt	ccaaattcac	aataatagac	2700
actactgtcc	cccaccccca	ccccataggc	taagaataat	tctgtacaga	ataaaggagc	2760

tggtccaggg actgatatta ctgacatcca agttgtgctg aagggccttg agatg

2815

<210> 4676

<211> 1069

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(888)

<223> similar to gi5731761 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4676

tcagcaggac	tggaggcggc	cactggagga	ggatttcagg	cggctctcca	cggaggactt	60
caggcagctc	ccagaggagg	acttcaggca	acccctgag	gaggacttaa	ggaggctccc	120
agaggaagat	ttcaggcggc	cacctgagga	ggactggaga	cggcccccag	aggaggactt	180
taggcggcct	cttcaggggag	aatggaggcg	accacccgag	gatgacttca	ggcggccccc	240
agaggaggat	ttcaggcatt	cccctgagga	ggacttcagg	cagtcacccc	aggagcattt	300
ccggaggcca	cctcaggagc	atttcggtcg	gccaccccca	gagcatttcc	ggagaccacc	360
tccagagcat	tttaggcggc	ctccccaga	gcatttcagg	cggccacccc	cagagcactt	420
caggcggcca	ccccagagc	atttcaggcg	cccgcgcccg	gagcacttcc	ggagaccgcc	480
ccaggagcat	ttcaggcggc	cggctcagga	gcatttcagg	cgtcccgag	aggaagattt	540
caggcaccca	ccagatgaag	acttcagggg	ccctcctgat	gaagacttta	ggcaccctcc	600
tgatgaggac	ttcaggagcc	cccaggagga	agattttaga	tgcccttctg	atgaggactt	660
caggcagctc	ccagaggaag	accttaggga	agctccggag	gaggacccta	gacttcctga	720
caattttaga	cctcctggtg	aggattttag	gagccgcct	gatgatttta	gaagtcaccg	780
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gggaagtttt	cctgagggga	gatttatgcc	tgatccaaaa	ataaattgtg	gttcaggtaa	900
gaagtaaact	tcctattaag	ataatgaatc	ttgccatttt	aaagctaatt	tgaatgaaat	960
tttagacttt	tttccatggt	tacagaatca	tacctgattc	agtttcgata	cagtataatg	1020
agcaaggctt	acctacaggg	gaagccattg	ttgctatgat	aaactataa		1069

<210> 4677

<211> 1170

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (254)...(653)

<223> similar to gi3169016 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4677

caggtcagac	agaagacaac	atgaacgtct	aacctcatgc	accagcggac	actgtgtggt	60
accaggcag	cttatttagg	attcggccgt	caggaaaagg	ctccctaaac	gctggtagac	120
cacgtggctg	gggtggcatg	gatggggcct	atggacctgg	gtctttcaga	agtgacccat	180
agctcactcc	tgggaaggcgt	gagtcaagca	ggtggttctg	cgcactaacg	acgctcttcc	240
actgtttccc	tagggaagat	ccttgtcctt	caaaaccttc	ctcatctggg	ttttaataag	300
tatttaccaa	ggcggcatcc	tcatgtatgg	ggccttggtg	ctcttcgagt	ctgagttcgt	360
ccacgtggtg	gccatctcct	tcaccgcact	gatcctgacc	gagctgctga	tggtggcgct	420
gaccgtccgc	acgtggcact	ggctgatggt	ggtggccgag	ttcctcagct	taggctgcta	480
cgtgtcctca	ctcgcttttc	tcaatgaata	ttttgatgtt	gcctttatca	ccaccgtgac	540
cttcctgtgg	aaagtgtcgg	cgatcacctg	ggtcagctgc	ctcccgtgtg	atgtcctcaa	600
gtacctgagg	cgcaagctct	ctcctcccag	ctactgcaag	ctggcctcct	aaggggctgt	660
gcacccccag	cgggctggcc	ccagcacctt	ctgcccttcc	cagcaccttg	tgcccttgcc	720
agtgaacgca	gggtttgcca	ttgctaccaa	gcaagcacca	caagaaaggg	agggtaggcc	780
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cctgccaggc	aagcccaggg	cacagatgcc	aggatggctt	ctccctctca	gtgcgaggct	900
tcacccctgc	caggcaagcc	cagggcatag	atgctgagac	agcctctccc	tctcagtgca	960
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agtgtgaggc	ttcacccatg	ctaggcaagc	ccagggcaca	gatgccggga	tggccccctc	1080
ctctcagtgc	gggaacgtca	ccccttgcca	ggcaagccca	gggcacagat	gctgcgatgg	1140
gcctcttcc	cttaagtgtg	gggcctcacc				1170

<210> 4678

<211> 3093

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(1423)

<223> similar to gi4972746 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4678

ttctatgacc	tcctgcgcac	cacgttgggc	agaaggggac	agtacgttat	gctctcggtg	60
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ctctccatgg	tggttgtggg	gaagtcagcc	tacgtctgtg	ccctgctgcg	ggagtgtgtg	180
aagttgcggc	cctcggaccc	caccgtgccc	ctgatggccg	cgaaggctctg	catcgggtcc	240
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gccggggagt	tcctcccaa	gggctacctg	gctctgggtc	tcacctatag	cctgcaggcc	360
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ctggccctcg	tccgacagat	ctccagtgcc	atggagcagc	tgaggagggc	cctgaaggta	540
cgcaaggatg	atgccacgc	cctccacctg	ctggcactgc	tcttctctgc	ccagaagcac	600
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ctgatgttca	ccaagggtgaa	gctggagcag	gtgctgaaag	gcccagagga	agccctcgtg	720
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gcctcccggc	tggaggaggc	catgtcagag	ctgactatgc	cctcttcggt	cctgaagcag	960
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caagtgggaa	gactatgaga	tttctgggtt	ccctctcag	acttgaggtt	agtagatgat	1920
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ggctgttgga	gaccccccat	ccatggcaca	ctagctcagc	actgcatttc	ccgagatgat	2700
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aagcagcaga	gggccaggcc	aagttgctga	cagtgaactt	gcaggttgaa	taaagaaacc	3060
cttggagggg	aagcaggctt	gtttgaaaaa	aaa			3093

<210> 4679

<211> 2092

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (46)...(512)

<223> similar to gi3877655 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4679



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gctgggctga	ccccagagga	gctacgagct	ctggagggcc	atgagcggca	gcacctggag	180
gcccggctgc	agagcctgcg	taacatccac	acactgctgg	acgccgccat	gctgcagatc	240
aaccagtacc	tcaccgtgct	ggcctccttg	gggccccccc	ggcctgccac	ttcagtcaac	300
tccactgagg	agactgccac	tacagttggt	gctgctgcct	cctccaccag	catccctagc	360
tcagaggcca	cgaccccaac	cccaggagcc	tccccaccag	cccctgaaat	ggaaaggcct	420
ccagctcctg	agtcagtggg	cacagaggag	atgcctgagg	atggagagcc	cgatgcagca	480
gagctccgcc	ggcgccgcct	gcagaagctg	gagtctcctg	ttgcccactg	acactgcccc	540
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gtgccagctc	cctctctgtc	tgcaccaggg	agtagtacct	ccagctctga	gaaagaggcg	660
gcatccccta	ggccaagtgg	aaagaggctg	gggttcccat	ttgactccag	tcccaggcag	720
ccatggggat	ctcgggtcag	tccagcctt	cctctccaac	tcttcagccc	tgtgttctgc	780
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cgaacagtat	tagctcccg	tccaagtgt	ggactccaga	ggggctggag	gcaagctatg	960
aacttgctcg	ctggcccacc	cctaagactg	gtacccattt	ccttttctta	ccctgatctc	1020
cccagaagcc	tcttggtgtg	gtggctgtgc	cccctatgcc	ctgtggcatt	tctgcgtctt	1080
actggcaacc	acacaactca	gggaaaggaa	tgcctgggag	tgggggtgca	ggcgggcagc	1140
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gcctgtcctt	gaccactgca	atcccagcgc	ccaaggaagg	ccacttctca	actggcagaa	1320
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tgggatggca	gggtgaaagg	tcagcatatt	cctgcctgca	aacccctccc	cagccttgat	2040
tgcaggtcag	aaggctgcag	ggggatgtcc	ctatgctggc	tgtgagttcc	ca	2092

<210> 4680

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(719)

<223> similar to gi3924667 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4680

tgcagcccta	tgtgcaggaa	agccagaaca	agttcttcaa	gctgcccgtg	tccgtgggtca	60
acaccacact	gccgtgcgtg	gcctacgtgc	tgctgtcact	cgtgtacttg	cccggcgtgc	120

tggcggtgc	cctgcagctg	cggcgcggca	ccaagtacca	gcgcttcccc	gactggctgg	180
accactggct	acagcaccgc	aagcagatcg	ggctgctcag	cttcttctgc	gccgccctgc	240
acgccctcta	cagcttctgc	ttgccgctgc	gccgcgcca	ccgctacgac	ctgggtcaacc	300
tggcagtcaa	gcaggtcttg	gccaacaaga	gccacctctg	ggtggaggag	gaggtctggc	360
ggatggagat	ctacctctcc	ctgggagtg	tggccctcgg	cacgttggtcc	ctgctggccg	420
tgacctact	gccgtccatt	gcaaactcgc	tcaactggag	ggagttcagc	ttcgttcagt	480
cctcactggg	ctttgtggcc	ctcgtgctga	gcacactgca	cacgctcacc	tacggctgga	540
cccgcgcctt	cgaggagagc	cgctacaagt	tctacctgcc	tcccaccttc	acgctcacgc	600
tgctggtgcc	ctgcgtcgtc	atcctggcca	aagccctggt	tctcctgccc	tgcacagcc	660
gcagactcgc	caggatccgg	agaggctggg	agaggagag	caccatcaag	ttcacgctgc	720
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ggaccccg	gcacagagg	acggtgccct	gagcccgtaa	ggttttcttt	tcttggtggt	840
gcaaagtggg	ataacttgt	gcaaataagg	ggtttgaggt	ccaaattcct	gggactcaaa	900
tgtatgcagt	actattcaga	atgatataca	cacatatgtg	tatatgtatt	tacatatatt	960
ccacatatat	aacaggattt	gcaattatac	atagctagct	aaaaagttgg	gtctctgaga	1020
tttcaacttg	tagattttaa	aacaagtgcc	gtacgttaag	agaagagcag	atcatgctat	1080
tgtgacattt	gcagagatat	acacacactt	ttttgtacag	aagaggcttg	tgctgtgggtg	1140
ggttcgattt	atccctgccc	accccatcc				1169

<210> 4681

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(307)

<223> similar to gil786291 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4681

ccaggcgcag	cgcgacagcc	aggtagaaac	ctggattgcc	agcctgaacc	cgctcaccca	60
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cctgaatggt	ttttatcagg	ataacggtgg	cgatgccgac	ttgctgcgcc	tgaatctgtc	180
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ttgctaagga	gtaaaaatgt	cagaaactat	tacggtgaat	tgcccaacct	gcgggaaaac	360
ggtggtgtgg	ggtgaaatca	gcccgtttcg	gccattttgc	tccaaacgtt	gtcagctgat	420
cgacctcgga	gaatgggctg	ctgaagaaaa	acgaatcccc	agcagtggcg	atctttccga	480
aagcgatgac	tggagcgaag	aaccaaagca	gtgacatttg	tctgatgccg	cacgtatgcc	540
ttgaaagg						548

<210> 4682

<211> 1167

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (64)...(922)  
 <223> similar to gi4586838 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4682

catcagaggg	agctgagggg	ggcctgacct	gaggccggca	cccggagctg	gcgggagcca	60
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ctgcctggag	gtgggtggcg	ccaagtctcc	agctgctcag	atactgatgt	cccctacctg	180
ctgttgggcg	tcaagtcaga	accagggcgc	tttgcagaac	gacaggccgt	gagagagacg	240
tggggcagtc	cagctccagg	gatccggctg	ctcttcctgc	tagggctctc	ggtgggtgag	300
gcggggcctg	acctagactc	actagtggca	tgggagagcc	gtcgtacag	tgacctgctg	360
ctctgggact	tcctcgacgt	cccattcaac	cagacgctca	aagacctgct	gctgctggcc	420
tggctggggc	gccactgccc	caccgtgagt	tttgtcttgc	gagctcagga	cgatgccttt	480
gtacacaccc	ctgcctgct	ggctcacctg	cgggccctgc	cacctgcctc	ggcccgaagc	540
ctctacctgg	gtgaggtctt	tacccaggcc	atgcctctcc	ggaagccagg	aggacccttc	600
tatgtgcccg	agtccttctt	cgaaggtggc	tacccagcct	atgcaagcgg	gggtggctac	660
gtcattgccg	ggcgccctgg	accctggctg	ctgcggggcg	cagcccgtgt	ggcacccttc	720
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cacccaggct	tcctcacagc	ctggccagca	gaccgcactg	cggaccactg	tgctttccgc	840
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cggccctggc	ctgggcctct	ggggccggcc	cctggctcag	ccccctcttc	caggtcttga	1020
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aaacatgcac	tccccactct	gaaacga				1167

<210> 4683  
 <211> 3024  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (82)...(1312)  
 <223> similar to gi2257588 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4683

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cagttccagc	ggcggcagaa	ccagcgcgcg	ttctccatgg	aggacgtcag	caagaggctc	180
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ccagatctgc	ccaagccgct	cagccgcctg	tcccgcgggg	cctccctgtc	agacattggc	300
tttgggaaac	tggaaacata	cgtgaaactg	gacaaactgg	gagagggcac	ctatgccaca	360

gtcttcaaag	ggcgcagcaa	actgacggag	aaccttgtgg	ccctgaaaga	gatccggctg	420
gagcacgagg	agggagcgcc	ctgcaactgcc	atccgagagg	tgtctctgct	gaagaacctg	480
aagcacgcca	atattgtgac	cctgcatgac	ctcatccaca	cagatcgggtc	cctcaccctg	540
gtgtttgagt	acctggacag	tgacctgaag	cagtatctgg	accactgtgg	gaacctcatg	600
agcatgcaca	acgtcaagat	tttcatgttc	cagctgctcc	ggggcctcgc	ctactgtcac	660
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<210> 4684

<211> 935

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (30)...(266)

<223> similar to gi3978472 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4684

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atgcgggggg	agggccagct	caccctggg	cacctgcagg	ctagttagga	gagtttttta	480
acctatTTTT	acacgtcgat	gcagtcact	tctctttaca	cagatgtacc	gcaactcgtg	540
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ttccttgca	ccaagggctg	ggggccagg	ctgctgttct	gcactctggg	gtgggtgagg	780
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cggggaagcc	gggcatgtga	gaggggtgcg	tccccaggtc	ccccagaggg	ccctgtcgcc	900
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<210> 4685

<211> 6229

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(5218)

<223> similar to gi3449308 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4685

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ccacaccgc	cccggttcg	ccagcccccc	gctgtctccg	ggactgtggc	tgcagcttcc	180
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gccggccctg	ccagtgcac	gggcacgggg	acccacgcgc	tgcccactgc	gacaacctca	360
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<210> 4686

<211> 1707

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1708)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (3)...(1605)

<223> similar to gi4101720 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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caatgtccat caagtcctct gacaaactcc gccagatcct ggagattgtc ctggcctttg 660
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atgacctggc ctctgatacc acgtgcccc cagccccctg gacccttggg agaactgagg 1680
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```

<210> 4687

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(256)

<223> similar to gi1890664 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<400> 4687
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```



aatcaaaata	atctttcatt	cgtcaccatt	ataactaatga	acaatagatt	tcatgtttca	420
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gttgctcaag	gccagtgtcc	aagtggacag	cagcctctgg	tactcccccc	agttatcttc	720
cacccacatg	gactgggcag	agcagccctc	ttctgtgtgc	acctgcatac	gctgcagccg	780
tgggagttat	tctcccctag	agatcgactt	ggcccccatg	aaggattctt	ttctctttca	840
tgctttctcag	gctcaatagt	ttctaattaa	tcttaaaatc	catgtctttt	acattgtttt	900
ttttaattaa	gtgctgttta	ctaaccaaat	aataattata	acatgagtaa	gctataatta	960
ataacaatga	aataaatacc	catgtaccca	ccactggact	tcagaagtag	aactcatgac	1020
tgggactagg	atgaggcaag	ggagaccctg	gccttgggca	caaaatgtaa	gggatgccaa	1080
aaaaatacag	taatcaaagt	aagtaatatt	tcaatccaat	atttttaaaa	atcagaatta	1140
atgc						1144

<210> 4688

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(237)

<223> similar to gi4062743 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4688

cagtctgatg	gcgtggaatg	ttgaagagag	agcagcattg	tggctggaag	catggcggttt	60
atcattgtca	ggatggcaca	tttctgttct	tgtgatccc	attgaatcgc	cgcgcccga	120
actgttcccg	acgcaaacat	tgattgtctg	gacaggcatg	gcaccaacga	gaaggcaaaa	180
cgaactttta	caacactggg	gtgagcaagg	ttataaagtc	atctttcatg	ccccctaatt	240
tcacctttat	cccgcctt	agacagaatg	ttataatctg	aaccacacac	agcgtttgta	300
ccggagctgg	tccgttgcaa	aatgctcacc	gggagaattc	gatatc		346

<210> 4689

<211> 2428

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2429)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (30)...(1336)

<223> similar to gi204222 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4689

gtcagcacag	ttctagggcg	gggatatcat	ctgtggccat	gccctgggca	cccctgggtc	60
actccggctc	ccaccagctc	tgtgtaactt	tctctccct	ccactgtttg	accaggcgca	120
acatgcatca	gatgacggac	gggctggata	agccaggtea	gatccgctgg	ccactggcca	180
tcacgctggc	catcgccctg	atccttgtgt	atttctgtat	ctggaagggt	gttggctgga	240
ctggaaaggt	ggtctacttt	tcagccacat	acccctacat	catgctgac	atcctgttct	300
ctcgtaggag	gacactgccc	ggggccaagg	agggcactct	cttctacatc	acacccaact	360
tccgcaagct	gtctgactcc	gaggtgtggc	tggatgcggc	aaccagatc	ttcttctcat	420
acgggctggg	cctggggctc	ctgatcgctc	tgggagcta	caactctttc	cacaacaatg	480
tctacagga	ctccatcatc	gtctgctgca	tcaattcgtg	caccagcatg	ttcgaggat	540
tcgtcatctt	ctccatcgctg	ggcttcatgg	cccatgtcac	caagaggctc	attgctgatg	600
tggcgccctc	aggccccggg	ctggcgcttc	tggcataccc	agaggcggtg	accagctgc	660
ctatctcccc	actctggggc	atcctcttct	tctccatgct	gttgatgctg	ggcattgaca	720
gccagttctg	cactgtggag	ggcttcatca	cagccctggg	ggatgagtac	cccaggctcc	780
tccgcaaccg	cagagagctc	ttcattgctg	ctgtctgcat	catctcctac	ctgatcggtc	840
tctctaacat	cactcagggg	ggtatttatg	tcttcaaact	ctttgactac	tactctgcca	900
gtggcatgag	cctgctgttc	ctcgtgttct	ttgaatgtgt	ctctatttcc	tggttttaag	960
gtgtcaaccg	attctatgac	aatatccaag	agatggttgg	atccaggccc	tgcattctgg	1020
ggaaactctg	ctggtctttc	ttcacaccaa	tcattgtggc	gggctgttcc	attttcagtg	1080
ctgtgcagat	gacgccactc	accatgggaa	actatgtttt	ccccaaagtg	ggccagggtg	1140
tgggctggct	gatggctctg	tcttccatgg	tcctcatccc	cgggtacatg	gcctacatgt	1200
tcctcacctt	aaagggctcc	ctgaagcagc	gcacccaagt	catggtccag	cccagcgagg	1260
acatcgctcg	cccagagaat	ggtcctgagc	agccccaggc	gggcagctcc	accagcaagg	1320
aggcctacat	ctagggtggg	ggccactcac	cgaccgcaca	ctctaccccc	ccgacctggc	1380
tgagtgcgac	caccacttga	tgtctgagga	taccttccat	ctcaacctac	ctcgagtggc	1440
gagtcacagc	accatcacca	cgcaggacag	gggaggtggg	aggacagtta	gacccctggg	1500
tgggccctgc	cgtgggcaag	gatacccggt	ggcttctggc	acctggcggg	ctggtagact	1560
ttttaatcca	ggccccatca	gcacccacag	atcggccttg	gtaaccgcgc	cggtagatca	1620
tttttatccc	gccagggagt	gtgatgcagg	aagaccacat	gcgctcctgg	cttttaaac	1680
tgttctgac	tgttctctta	ctgccgaaac	ccttgactgt	tatctcggac	tttgcaggag	1740
ttcctttccc	tccgaacgct	gctccatgca	caggaaaagg	gcattttgtt	acaatggggg	1800
actttcccg	gaacgcttgc	tcttaagtac	cagaagccgg	cggagctctg	gctttcgtga	1860
ttttggtttt	ctccttccca	aggcagctgg	attgaaaaaa	caaaacaaaa	caaaaaaac	1920
caggggctgc	agtcgatatt	ctcagggcgc	cttctcctgc	agtctgtgga	gcgtccttgt	1980
ccccgccgcc	ggaatgaatg	agcattctgc	agcccgatgt	ccctgtcccc	tcctcgccgg	2040
gccattctga	ttggacctgg	cccagtgcaa	tctgtccaga	caagccctgc	ttgctggaaa	2100
actgccacaa	gcacaattga	tctcttttta	tgcctattcc	aggggcctca	ggtcctactg	2160
gggaaacttc	ctataccgga	gctccagttt	ctcttaagct	gccaatttcc	acagagtaca	2220
aaatagttgt	aggggaaatc	aaggtgaagg	atctgtccga	cagtcaagac	ggatccacag	2280
gaatctttcg	gtctccttaa	actaccaccc	tcgtgccac	ccaccccaag	gtgnttgccg	2340
cctcaccttc	cttgaaattt	ctcagcgga	gtctcaacac	aaccactaaa	acccacccag	2400
accgtgtatt	gcgcccgctc	gagaggat				2428

<210> 4690

<211> 885

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(886)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (749)...(86)

<223> similar to gi3327150 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4690

tttttttttt	ttcaattcta	ctccaaaaat	cagcatgttt	aatggggccc	ctgtgcactg	60
ccctctgccc	cctctgaggt	tcgcacaccg	tgggcacgga	ctcgatacaa	gcacgtgaaa	120
cgggggtggc	cccagttgct	tagaatctgg	atcttcacct	tgggaaaggc	agctgggggg	180
tcattctgca	ggtggaaagt	ctgaatctcc	gattttctcaa	catcgaagg	gaatttcccc	240
aaggaaactt	cagtttcatc	ataaacctgg	aggccctgg	gggtgaagaa	tgaaaggagg	300
aaaaagaccg	cgaaatcgcg	gggggcgctg	ttggctcctc	cggtgtgctc	cacgctgggc	360
ggtggatgct	gcagagtgat	gtcgctcagc	tgcactcggc	ccggcagttg	gatcaccacc	420
tggccttgg	cgccttcaaa	agcccagcaa	ttcccaggga	acacgtgggg	ctccaggata	480
accgtggg	gccgtgcgta	gttcacagaag	ctgaagcgat	tccagaagta	ggcagtgttc	540
ctgtctgcgt	aatcgtggga	tgtcttctgc	aggctcgatg	aggctccac	agagctcaaa	600
gcatagtcgg	gcttcgcgac	aaaatcctca	ttcagcctct	ggaacacgag	cttggccact	660
ctctcgctgt	tggtgccccg	aacagtggac	acctccttgt	ggagtttatc	cagctcggcc	720
tggagctgct	gcagctgctg	cccctgggag	cgcacgcgct	cgtgggtactc	acttagagtc	780
agcatctcct	taggttcctg	ttggatgaag	ggacaaaaca	cagagccgct	cagctcccgt	840
cgctccttgcg	nngtcnngcn	cnaatggtac	gcaattcgat	tcccc		885

<210> 4691

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1371)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1370)...(589)

<223> similar to gi1060896 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4691

tttttttttt	ttcaatgtca	aatgcacttt	actgggcccc	tgggcctccc	aacactgtcc	60
tcaccaaggc	tggggcaccc	cattcccagc	accaccagct	gccaggaag	caggacggat	120
agaggggaaca	catgtggaat	ggctgttctc	ctaccccaga	gggtgccgga	tgatgttgac	180
agcacggctg	cttccctctc	ccctgcagct	tctgtcccca	cccagcagct	tggcctttcc	240
catagcaggg	aagggggata	cctggggcct	caaaccagcc	acctgtcctc	gcttaaaatg	300
gggcaagggg	ccatttgcaa	aattcttcga	ggggcagtg	tgaggtagaa	ggggtggcag	360
cctgtcctg	tctgggagag	ggctgggcag	acactgggag	cgggcagac	actgggagcc	420
gggctggctc	ttgcttcagg	cccagagccc	tgggcctgc	tcgctgagga	agctggtggt	480
tggagcggcg	aggttcaacc	agctgaggct	ggagggagta	ctgggtggcc	aggaggggta	540
gccagtccaa	ctcggctctc	ctcagcacc	ccagccatgg	gtcaccagtc	ccgctcagca	600
ggttctcgg	aggggagggc	taagagcctg	aagacatcct	tctcagtggg	agtgggcagc	660
actcggccag	gccccacctt	gcagccatgg	gtgttcggga	ccacagcagt	gctgagggca	720
tgttctgaca	gactcatgcc	cttggttttg	gccagggtc	gcatggagcg	gttgaagtgt	780
gcagagccgg	tgaagtagag	cagggcacag	gcaaactcgc	tatagggcac	cacgatgatg	840
tccaggcgcc	ggtgccgcgc	ccctggccct	gggagccggc	acacccccaa	gtacttctgt	900
tgctgaccat	tctcctcttg	gctcaccaag	tcctctgtga	ggaacccttc	ctgccgaaga	960
ctgtcaagga	ggcggtgaa	gataccccgg	tgggaccggc	catctgggtg	agtgatgagc	1020
acgtcgacat	caccacaggt	cgcctttccc	cgtcggtatg	aaccacatgc	cacacacagc	1080
agcccagagt	taaaggcctg	ggctgctttc	tggactgtct	gtcfaatctc	tgtagcctcc	1140
tccctgggca	tacgttcag	gaagtcactg	taatgcttca	ggccgatggc	ctgctggggt	1200
gtcagggagg	cctggctgcg	gatgtcttcc	agacttcgga	agccctgttg	gtaccacatc	1260
tgggcagtct	tggtcccagc	tcccagatg	ttggagaaga	gtccaagac	aggcacgctc	1320
gnnttcncg	ncnctgccag	tgtctcatt	ggtctcattn	nggnaccgag		1370

<210> 4692

<211> 1389

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (349)...(442)

<223> similar to gi5689435 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4692

gcacccgtag	ccgtgacgat	ggtgacacac	gccggtgtcc	cttctctggag	atgaactcag	60
tgacttccca	caagaagcca	ctggctacgg	ctctcatcgt	tcttggtctt	tggatgaaga	120
tgctgagtc	ctgtccatgt	ggctgtgatt	ggtccccaga	ggctccccag	cgcaggcca	180
gggaccagcc	atggtgcctc	tgctcgagag	taaagtgtac	agtttttgca	gccaccatag	240
atgcagcgag	atgcctcacg	ctgggtgggg	gtgggggccc	cggctccatg	gcggttacca	300
tttcatttgc	tgtgctttat	ctgctgtgcc	ttgtttctcc	ccggccctag	gcggaagggtg	360
ctctaccagc	gtgcacccag	gaatatccac	cgccatgtga	tcctctctga	gatcaaggaa	420
gccgtcgctg	ccctgcccc	ggtaaggagg	aaaggctgaa	atgggagctc	tgtgtaagcc	480
ggtcacatgc	acgtcccttc	tgtccgggc	ggtccacatg	caggcgtgcg	tgggtcgggc	540
tccctcagca	gccagcccc	gccacggcag	gggcagggtc	tagtgagag	ggctcctcct	600
ttctggcgag	cccgggttcg	gatgcttggt	gttttgagag	agaaatcctt	tggggctcag	660
agcacaagct	gagtcgtcac	cgtggtgagc	tgctccatcc	gtggtcttgt	gagcgcgtgg	720
tgcggtgct	gggggattct	ctgtagtcgt	ggggtgtagt	cctgctctga	cgcctcctgt	780
gctggagggt	gccgtttctg	tctcaaaacc	taaggagttt	gtactgttgt	taagggataa	840

gatagaacga	gtgagaaaac	cagcaagtca	gagggctcgca	ggaccgtgga	ccgtccactg	900
gggacagctt	agtgcctcct	ggtttaactt	cagctgctct	gcgggccctt	atgaccggca	960
tggctggctt	tgtctggggc	tgtgagcttc	tgactctcct	cagtagagt	gcagcacgtg	1020
gcactgtgca	acccgagggc	agctcaggg	ccctgtagcc	tgcatTTgt	gaagtgggag	1080
cttctgacac	gtgggtgaaga	tgttggcagg	cttgagcggc	acgtgacccc	cttccttccc	1140
caccacacac	tctgggtgtgc	agggcagacg	ccgtgcaggt	tcattctcgac	tcccgtgagt	1200
gtcctgggtg	cagaaggact	gtcccaccct	cacccaaagc	tcgttggtac	aaaaagcaca	1260
gccgtttctg	tcagactctg	tggtatcttc	tcagcagatg	catccagtc	atgctggagt	1320
cgacagaagg	actctgctgg	gagaggtaga	ggccccctgg	cagcatctgt	agcatcttcg	1380
ttttatgtg						1389

<210> 4693

<211> 1203

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1204)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1057)...(928)

<223> similar to gi3219336 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4693

tttttttttt	ttggtttctt	ttcagtgttt	tattttttcaa	aatatacaat	ttaagttttt	60
atttcacaac	cgtagttttg	tatatattatt	ccaaaatctt	taaatagctc	cgcagcaaac	120
agtacaaatc	acaaggtccg	tcaaactgct	tctcttttagc	ctttacactt	ggcgagtttt	180
ttaagtttca	agtagtaatg	gtttgtgggt	aagaaaggaa	ccaaaaacag	gaggaaacaa	240
cattttttac	ataagctcaa	catgtaggat	tagaaagggc	cgtctgacca	gctccttggt	300
ctgggaccag	actaagaaca	tgtatctggt	ttataaataa	gaccgtcctg	ggagcagtga	360
gggttttggt	tacgaggagg	aaggggcagg	aacctcatct	gcggaggctg	ggaggcaggg	420
ggaggtgagg	cactgagagg	tggctccttc	tgggagcgcc	cgagtagggg	cctgagcggg	480
gtggaggcca	agaatggcca	gggacgggg	ggggctgcca	ctggtggaga	agcctcctca	540
gcctcccttg	gggagaagg	ctgtgattct	ggaggcaggg	gagggacggc	aagaaaagct	600
gccaggtcct	aaagcaagca	gctgggactc	ctgccagcca	ccctggggcc	aacgacgcag	660
gcagctggca	gggccagagg	ggctgcccc	gggtctgggg	tggactgtgg	gaggcatcac	720
gctgtctctt	cttgcgagag	ctctttgtcc	acctcagagc	caccaaagcc	tccccagaag	780
ggacagcagg	gaggacagg	accacagatc	ccacagacct	acttctgact	gtgaaagcga	840
gctgtgccgt	gcaggcagct	cctaggcagc	ccatgaggct	aaggcacaag	ggtgacacag	900
gtggccacga	gggtctcagtt	ttcttcattt	ccccctgcgg	ctgctacctg	tggccaaggc	960
ctgaagcagt	cctgtgggct	gagctctagg	cagggacgct	ccaggaagaa	gtgggtcacc	1020
aagggccacc	tggccaccaa	gtggatgtga	ccctcctacc	aggggtcagg	cggggcggtcc	1080
tgctcagg	ccccctcagc	aaattccact	agaatgcagg	gccggacaca	gcccctcctg	1140
cctggccnng	ccnncttct	tgngnnnttc	cncgccaa	ggggtgtctt	caacggcact	1200
cct						1203

<210> 4694  
 <211> 935  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (661)...(371)  
 <223> similar to gi2621120 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4694

tttttttttt	ttaactgaag	agtttattat	actttcaact	tttctgcaga	tgtaacattt	60
tttaaataaa	aagttgagaa	taaaaaaatc	acaaaaatag	ttttgctgaa	gaaaatacca	120
cacatttcctt	tttactataa	tatttaatat	aataatatac	acttatacat	tggtattatt	180
tacacttcat	taaaaaaaac	ccattcaacc	tggaatttaa	ctaccttaa	cacactattt	240
aactttcagg	tgctaagtga	tttaatttct	ttaaataatta	aatccaaaat	gggctcaata	300
tcctaaatta	ctgataacta	gatgcagatg	taaggatcat	gaatcaatac	ttccattaag	360
ttaaaaatat	caataatttt	ttgcaacatt	tcttctttgt	ttttcttctt	tgtctaggaa	420
taggctgttt	taagctcaaa	gtagcatctt	gaaatccagg	atttaagtct	aagaccttct	480
tgaaatcttc	caaagcatca	tcaaaatata	ccagcctata	cagtatcaac	cctctgttgt	540
aatatggaac	ttcaaaattg	ggttggaact	ctatggcaga	tgtgtagtca	tccatggcct	600
cataaaaatc	aaccttgaag	tacttgattt	gccccctgtt	gttatatgca	gtagccaaat	660
cctcagggct	gcatttgctc	ccgggactct	cgctcgctga	ggccgcgcaa	gcgcaccggc	720
gaatgtaagc	ggagtacagt	gcctcggcct	ccgcgtactc	tccattgttg	aaatgagcct	780
gggcgagtgt	tagggttgct	tggttttctt	gccgctgtcc	ttccatagca	gccaaggcct	840
agttttcggt	gtagaatggg	ggttgacctc	cgagcgggta	gaggtggcac	cacaaagcca	900
cttccacacc	ctggaatcta	ccttgacagc	caacc			935

<210> 4695  
 <211> 1908  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (47)...(434)  
 <223> similar to gil655625 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4695

cgccacgcgc	tgtctgatgg	gccactcgga	gatcgttggt	cagggattgt	ccggcgagga	60
cgtgctggcc	cggccgcagc	gctttgctca	gctagagctc	tcccgcgccg	gcttggagca	120

ggagctggag	gccggagtg	gcgggcgctt	ccgctgcagc	tgctatggct	cggcgcccat	180
gcatggcttt	gccatctggt	tccaggtgac	cttccctgga	ggggagtcgg	agaaaccct	240
ggtgctgtcc	acctgcgctt	ttcaccggc	cactcactgg	aaacaggcgc	tcctctacct	300
gaacgagccg	gtgcaagtgg	agcaagacac	ggacgtttca	ggagagatca	cgctgctgcc	360
ctccccggac	aacccccgtc	gcctgcgcgt	gctgctgcgc	tacaaagtgg	gagaccagga	420
ggagaagacc	aaagactttg	ccatggagga	ctgagcggtg	ccttttctcc	cagctacctc	480
ccaaagcagc	ctgacctgcg	tgggagaggc	gtagcgaggt	cggaggggaa	agggagatcc	540
cacgtgcaag	tagggggaat	atctccccct	tttccctcat	agcctctagg	gagggagagt	600
gacttcattc	tccatttgaa	gagattcttc	tggtgatgtt	tacttaaaaa	gtgatcccc	660
tcaacaacgg	atacagcggt	cttattattg	ggcatttagc	ctcaaaagca	tgtagtacca	720
agcacttgta	tttccgtata	ttttgtttcg	cgggggagtg	agggggaaga	acacggatga	780
aaatgtcagt	ttttgaagg	tccatgcaca	tccctgacac	ctcacacctt	atctaagtct	840
gaagctgggg	agaaaggagt	tcatttagac	ttcatacatt	tccagtacga	ctttagatc	900
tctccagagc	catattttct	cagtcggaat	taattccccc	tccctagggtg	cctgtaggct	960
atggtacttc	ttcctcattg	ttttctagg	aaacttcact	actggttaatt	aaggggaagg	1020
atatgaggaa	gcagtttaaa	tagccctggt	ctcattactc	tgaccacata	catcataggg	1080
tgctaaagtt	gatgaacaca	ttaatccgtt	aagtaaaatg	gactttgtaa	ttgtacagca	1140
tacctaagaa	actcagaagg	tgcatttaag	agagagacct	gaaagaaata	gtatggattt	1200
ttaaaaattc	ttgtctctac	tattataacc	aaaaaaatat	ttcttgtag	tcccataaaa	1260
atatttggtg	aattcttatg	aaacaggctg	gtagaggagg	tttctgagcc	tagcccaagg	1320
gctttattca	tcaccatggg	taaattattt	aaactcactt	aattaaggaa	aatattttcc	1380
cagctagaaa	aggtatactc	ccttctcttt	ttaaactctc	tcatttgagg	ggatcatgtg	1440
agttggccta	cttacaagta	gtgaaagttc	ccttttcagt	tttgttttgt	tttgttttgt	1500
ttttctcttt	cactcagcca	aatgtgaaag	ttgtgaattt	aggaaaatca	cttgtaatga	1560
agtgtgaatc	ttgttatcaa	atattttctt	ctgatgtttc	cttccttata	cttgtagcca	1620
ataaaacatt	gacattctca	cgttttatag	atgaggtaaa	aagtcttggtg	tgctgtgagt	1680
tataatgctt	ttgccttttt	aatattatta	gttcttaagt	gttacagccc	cttcagaata	1740
taacttcagg	acaattcaaa	ctatgcttaa	tgtatgattt	tcgagcttct	gtatgctaag	1800
aaaatagggtg	tgaaaactg	gtgttctgaa	atagcctaac	atttattgta	attctgaatt	1860
ttctgcccctt	ttattcattg	catattaaag	tattagagta	taaaaact		1908

<210> 4696

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (741)...(228)

<223> similar to gi5304869 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4696

tttttttttt	ttgctctgag	acatttttatt	taaacttttt	ttttttaaaa	aaagacagca	60
ataattaatg	ccaagaacag	aaaagaatgt	tgacgtgttg	cccggccgc	caagcgggcc	120
cctgccagg	cccccaagct	ctgccaccac	tggggtgccg	tccctcccg	cagcggggca	180
cagtcagctt	tgaaggtgac	agcgggccaa	ggccaggact	ctgggtggag	gacttggtgc	240
ggtgaagcag	gtgctgcagg	aagttggcgc	tcttgtagct	ggggtcccc	cagggcattg	300
ccgagcagat	ggggcacacc	acgcggttgg	ggctgctgcg	gtggctttcc	acacagtgt	360
tcaccagctc	ctgctggtcc	aggttgccgg	caccacagta	cgggcaggcg	aaggtggacc	420

tgttggggat	gttgctgggg	ataggctgtg	atgtgggcac	cacggggacg	aacttggggc	480
agttggccat	ctgctcctgg	accttcaggc	aggacgaaat	gtgcactctc	atctttgcca	540
gggtcacctt	tttgttgtag	cctcgacagg	gcgctttgtg	ggatgagagc	tgcttctcca	600
cgtgggtggc	cttgctccacc	ttcttggggg	cgaagggcag	gcggcagagt	gggcacagcg	660
gggatggcac	ctgcaggcag	ggctggagac	actccccgca	gaaccagggt	ccccagcaga	720
tatttccagg	gtcatccctg	gactgaccc	ctggatttga	gccggggggg	ccgcctactt	780
cacccgttca	cg					792

<210> 4697

<211> 2223

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2224)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2164)...(517)

<223> similar to gi6013102 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4697

ggtggtttac	acagcacgca	gaggaggcctt	tacagtatgt	tgttggggag	ctggtgctta	60
ggtgtttgtgc	catctctgcc	tagaatctgc	ctaggagctg	tgaggtagag	gaagctttcc	120
ttggtagctg	tggagaggac	acgtttcttg	cgagtatggc	tggagaagcc	cccacctccg	180
gtcccaacac	aacggaacac	atggagtttt	gctgtggtgt	ctggaggatc	ctgtcttgag	240
cttgcccttg	cttaggctgg	actgtgtaag	acaagcactg	tgaagtgttc	caactttatt	300
taaaaccaga	cagccctgct	accatgcccc	cgtcctcag	cattgctcta	ggggaggagc	360
tggatgaact	atggcccttc	tgccaagccc	aggtgctagg	ggaggaaccc	cttgcttgag	420
atgtacagga	tggactcctc	acttcttctg	ggcttgtgcc	ctggcccgtt	gaatcttgtc	480
agctgtggcc	ccatctgtgg	ctcccgtgca	gtgggacaat	acgaggetca	gctcagcctc	540
attccggtgt	tcgatggcca	catctgcagc	ctgagccaca	tcgccaacaa	gaagcaaagc	600
cttgaccttc	tgctcgggac	ccacgcggga	agcatacttc	ttggcttcgt	at ttgttatg	660
ttgtttcatg	cagatctcca	caaaaggcag	gtagccaatg	ggtgatttct	tgctcttgga	720
aaacttctct	agctcttccc	aatcttccaa	atctgccagg	gcagtcagct	tcagccacca	780
gagcctcttg	tcagggatgc	ggaagtacag	tgccagctgc	tctgcacgct	tgttgtgacc	840
gccaagaatg	agggtggtaa	ctgtgtcatg	tagagacagg	tctaggaact	ggccccccag	900
ctcgtcttct	aggcgccgct	gcagccgtag	gagccgcatt	tgatcctctg	tagccttggc	960
tgcaaaactca	ttcttggcct	tgtagaaggc	atcggcggct	gtctgcagag	ctgctactcg	1020
ccctcaata	cgctcttctg	cagcatagct	ggctcggatg	tggaagctgc	ccaattcctg	1080
gtgattgtca	tcctgattgt	aaaggtcctt	cagcgtctct	agctcctgat	gcttacagaa	1140
ctgtcggtag	aaactgaggg	ccatgggctg	attccgaagg	gtcatgaaaa	aatctctctg	1200
gttcagctcg	ttcttcagggt	gcagcaacac	cgtgaacacc	aggtcagtg	ccccgctctc	1260
gatggccttg	cttagtgcca	gtttgctcct	cttcatcttt	aggagaaggg	gtacctgctc	1320
ccctgagcgt	ggctcatact	ccagcagctt	gatggccagc	tccgtgcggc	cacaaccata	1380
ggctcgtgca	gcaatgtcgg	agtaagagac	accaggcgtg	tccccagct	tctggttaat	1440
ggctcgagcc	acatcctcat	ctgagacatc	cttctgttgc	accttgtagc	aggcccagtg	1500



ggccaggatc	ctgctgacgc	cctgtacttc	aggaaggcgc	aagtactcgc	atatctggat	1560
ggccaggggg	taaagtctcc	gcaacacgag	cctgtccagc	agcacctgga	tggtagagctg	1620
cttatattgg	ctataggtga	gcgggatccc	gatgtgatag	tcccgaacag	cattgagcac	1680
acgcagggtc	tgacacatgt	gcacgaagct	gtcgggtgga	aatctgtcca	ggaaacactt	1740
tccgaaggag	gcggccctga	gcagactcct	ctgcatgtct	ggctgggtgt	catgtcctgc	1800
agcctcaatg	cactgctgca	cggcctgggt	cagctggccc	agctcctgga	tctcccgcag	1860
gtactcgtcc	gccttctggc	tctctttctc	atactccttc	tgagcctcca	ggagcagcgc	1920
cccggggggc	attgaggcaa	ttttgaagat	ttcctcgtctg	gccgctggaa	cctcatgcag	1980
gaactcgtgg	gtgctgcggg	agaagatgcg	gaccccatcg	agctcaggca	ccaggtagga	2040
gtcctcatcc	agcaciaaact	ggatgctctc	gggtgcatcg	cccaccacca	tcagccgcct	2100
ttcccaggcc	accaccacgg	ccctctcctt	gctacgagga	cgaaaacacc	agaacatctg	2160
ctttggaggt	gcccggtggt	tgcagttgag	ctcncatagc	ttctaanatt	tccagaacac	2220
tac						2223

<210> 4698

<211> 1148

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1149)...(853)

<223> similar to gi2505957 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4698

aagctgaagg	tccttgcaag	accttatctc	tcctgtcctt	tatagcatcc	cgccatccag	60
agcactgcc	ggaacctgca	tggtagcgga	atgactccca	gcagtgcgca	ggtgattggg	120
ccttgggacc	agagtgaggc	tgagataaag	gggagcccag	ggccagaccc	ctgtcaccca	180
cattcctgtc	cccttccctt	tccagccagc	ccagagacca	cagcagcaca	agaggtggcc	240
agcttaaaaa	agttaattg	ctgaaaacat	ccaaggcagg	tgcgggccag	tccctgcggg	300
gctcacaccc	cccttattgg	accatcagct	ctgtgatgcc	cccttctcct	ggctacaaac	360
ctgggaagta	gggcagctgg	tcccagggcc	ctgagactgg	tgctgctcta	gaaggcctgg	420
tggggggcca	gcccccaagg	cccttgacca	gaactggaac	agcaggcaag	atggggcagc	480
gtgggggtgac	caaagatcct	ggatgaggcc	aatccaggct	gggaccagcc	caggtcagca	540
gtgagaccag	gggagacagg	gtgcccaggg	cctgcccagg	gacatgctgc	tgaccccccg	600
ccaccctgca	cccctggcca	catgctagcg	ggcagctgat	gagcagcagc	tgacccccaga	660
gacagcagag	gtgaaaacag	tccctgggaa	ctgccagagg	cccagaggat	gtggaagtgc	720
ccacgggaag	gcaggagtgc	aggggtgaca	tgtgccgggg	ccagagaggt	atcttccagc	780
ttgaggatga	gccgtgaggt	gtgcactagg	aagtggcagc	acaggtgagg	tggaggtgac	840
gggggcgcag	gctagtccca	ctcgtcctcg	tccacgcctt	caaaggagtc	ctgggggagt	900
gggtcctccc	ggttccccag	ttttgccacc	atggcattca	gcagctcctc	cttcttttgc	960
tggtcagact	tttcttccag	gtactgcgct	gaggatgggg	cccgcagagc	aggggcctct	1020
cggggggcctt	ggctcatctg	gctcatgtca	ggaggctgca	ggctgagaag	ccagggtctgc	1080
ccattagcgc	cttgacagcca	ggcctcggga	ctgagcacag	gctcccagat	cacagccgtg	1140
tctgggaa						1148

<210> 4699  
 <211> 1872  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (15)...(1056)  
 <223> similar to gi3878000 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4699

ggaattccta	tcccaactgg	ctcaagttcc	acattggtat	caaccggtac	gagctgtact	60
ccagacacaa	cccggccatc	gaggeccctgc	tgcacgacct	cagctcccag	aggatcacca	120
gcgtggccat	gaagtcgggg	ggcacgcagc	tgaagctcat	catgaccttc	cagaattacg	180
ggcaagcgct	gttcaaacc	atgaaacaaa	cgagggagca	ggagacaccc	cctgactttt	240
tttattttctc	tgactacgag	aggcacaatg	cggagattgc	tgctttccac	ctggacagga	300
tcctggactt	ccgccgggtc	cctcccgtgg	ccggcaggat	ggtcaacatg	accaaggaga	360
tccgggacgt	cacacgggac	aagaagctct	ggaggacctt	cttcatctct	ccagccaaca	420
acatctgctt	ctacggcgag	tgttcttact	actgtctccac	ggagcacgcc	ctgtgcgggg	480
agccagacca	gatcgagggc	tcgctggcgg	ccttccctgcc	cgacctgtcc	ctggccaaga	540
ggaagacctg	gcggaaccct	tggcggcggt	cctaccacaa	gcgcaagaag	gccgagtggg	600
aggtggaccc	tgactactgc	gaggaggtga	agcagacacc	gccctacgac	agcagccacc	660
gcatcctgga	cgtcatggac	atgacgatct	tcgacttccct	catgggaaac	atggaccgtc	720
accactacga	gacttttgag	aagtttgga	atgaaacgtt	catcatccac	ttagacaatg	780
gaagaggggt	tgggaagtat	tcgcacgacg	agctctccat	cctgggtgccg	ctacagcagt	840
gctgcaggat	ccggaagtcc	acctacctgc	gtctgcagct	cctggccaag	gaggagtaca	900
agctgagcct	gctgatggcc	gagtctctgc	ggggggacca	ggtggcacc	gtgctgtacc	960
agccgcacct	ggaggccctg	gaccggcggc	tccgcgtcgt	tctaaaggcc	gtccgggact	1020
gcgtggagag	ggacgggctc	cacagcgtgg	tggatgacga	cctggacact	gagcacagag	1080
ccgcctcggc	gaggtagtgt	ccgcggcgcc	ctgcgctgcc	cgggacggag	acagaggcgc	1140
cggacctccc	agcaagcgca	tgcgccgctc	gtgaattcag	tgaattcaga	ggcaggacgg	1200
gatcatccgg	agtcggggagc	tgctgccaca	ggaggcgagg	ctcccaggt	ctcataggac	1260
acattttgtc	agtgtttgac	cagaaaagct	tgggaaggaa	gcgctgtctg	tgctcacgga	1320
cagaggcggc	cggcgccgga	ggcattccat	cctttctgta	gggaaaggag	cctttattta	1380
ctattttgta	tttatatttg	atgaataagt	atataaacag	agacgtgtac	acagatgcca	1440
atcacctacc	aaaccaaaca	cgaggaccgc	cctccctggg	tctggggggc	cctcaaggcc	1500
aagctcaccc	ctcaagtgtc	ctcacactcg	ggacctaat	caagtaaaaa	ccctttctcc	1560
ttcctggggc	ctcggctcct	ggagggtcgg	aggggtctcgt	ctgaggacgg	gaggaggctc	1620
tcgctggacg	tctggcctgt	gcgctggtgg	acggatgcct	acgtgggttt	ggaggaccgc	1680
atgaccaggc	gtcctgcgag	tccgcccgct	ggcctgcagc	accacctcg	gacttggtcg	1740
tggacgggtg	gtgcaagtgc	atcctgcagg	gctggctgtg	cgcagctgtg	ggctgacctt	1800
tgacagatgt	tgtggaatag	tttgcaatgt	cataaaagtg	caataaaggt	acagcagatg	1860
tgaaaaaaaa	aa					1872

<210> 4700  
 <211> 1456  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (547)...(965)
<223> similar to gi5051483 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4700
cgctgaggat tatgtggaag aattacacaa atggcggtgt cctgattatt atgagaataa      60
tgtccacaag atgcagctcc cattttccag caagctcctg ggcagcactc tgacctctga     120
ggagaaaacaa gaaaggcggc agcagcaatt gcggcggtcg caggagctca atgcccggcg     180
gcgggaggag aagctgcagc tggatcagga gcgtctggac cgactgctat atgtgcagga     240
acttctagag gatggccaga tggatcagtt tcacaaagct ctgatagagc tgaatatgga     300
ctccccagaa gagctgcagt cctacatcca gaagctcagt atagcagtgg agcaggctaa     360
gcagaaaatc ctccaagcgg aagtcaacct cgaggtggat gtggtagaca gcaagccaga     420
gacctctgac ctggagcagc tggagccgtc tttggaagat gtggaaagca tgaatgattt     480
tgatcccttg ttttcagagg aaacacctgg agtggagaag ccggtcacca ctgttcagcc     540
ctgtttaact tggcagcata tcatcagcta tttgttggga cagaaagaat tcgagctcca     600
gagattattt tccagccatc tctcatagga gaagaacagg ctgggattgc agagactctt     660
cagtacattc tggacaggta cccaaaggac gttcaggaaa tgctggttca gaacgttttc     720
ctcactggcg gcaacacgat gtatcctggc atgaaagcca gaatggagaa ggaactgttg     780
gagatgagac ccttccggtc ttcttttcag gttcaacttg cctcgaacct tgtgctggat     840
gcctggtacg gtgctcgtga ctgggccttg aaccacctag atgataatga agtttgatc     900
accaggaaaag agtatgaaga aaaggaggga gactacctca aggagcactg tgcttccaac     960
atctatgtcc ccatccgcct gccgaagcag gcctcccgtc cctcagatgc ccaggcatcc    1020
agcaagggct ccgctgctgg tggaggtggt gctggtgagc aggcatagca gaggccctcc    1080
agagagactg ccctgcacgc catgccttgg gccacgttgg cagtgtgaca ggactgtgat    1140
tgtgctagat gtactgccc aagtctgctg gtcacatttg gcagcaaaat ggattttctc    1200
tgggggagaa aaagttaagg gacactgaga cctgcccttc agaattcggg tcacttgggg    1260
gcttctgtgg tagagactaa ctggccttct gatgtctttg ttcaactgtg gccagctgtg    1320
gcatcagctt cctggagcag taaatgaaga cagagtggag gacacaaatg tacaaaatgc    1380
acaagactga tttcttacca catttttagtc tttcttgttt taaaaaaaat tctttaaaat    1440
ttaaaaaaaaa aaaaaa                                1456

```

```

<210> 4701
<211> 1369
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1370)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (351)...(646)
<223> similar to gi5824626 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4701
catctgtaca actctctccg tttctccgtc tctctccctc cctccctccc tccaccccc 60
caatcttttt ctccccatct ctccatctct ctcttatctc ttcaggaaga gcctaaaagg 120
cggcaacacc aacacctctt gacatggaaa tacactgata caataggcaa aaggaaacac 180
tcagattgca tcttccccgt tccaggtggc cttatttggg agattctata ctgaccttat 240
tcctgtgatg gatgatactg gcatccagcc gaggcattct ggatggagat gccaaggctg 300
tccaacaatg tctgacagat atttttacca gcgtttacac cacctgcgac atccctgaga 360
atgctatatt tggtcctgt gtctgagcc atacttccct atatgacagc atagctttca 420
tagctctcaa gtctactgac aagagaacag taccgtatat ctttcgggta gacacctcag 480
cagcaaatgg ttcctcagaa ggtctcatgt ggctgcggtt ggtccaatcg gccagagata 540
aggaagagca gaaccttgaa gcctacataa aaaacggaca gctgttctac cgctctctcc 600
gcaggattgc caaagacgag gagttactag tttggtacgg gaaagaactg actgagttac 660
tcttgctctg cccctctaga tcccacaaca aaatgaatgg taggttggct cgcgaccggc 720
gtgtgggccc ttaactagcg ggggagagac gcagggagcg gcaggggctc accggcgcg 780
ttggcgcgcc tttcttccct tcgggtgtct cataggaaga ttctgagata tagtctggaa 840
tgaagttaaa cagatagggtg aggataaagc gaggaactt gcttgtttgc tgtattccct 900
ccaaatcagg agggaaagt agatcaggtt ggtcattctt ttctcaggca ctcaggccct 960
gagaaatgaa ggtggatttg tcaaggggat ggtggcaaac tggcttgggg gcgatgctga 1020
gtaatcatgt ggtgtgcgtg tgtgtgtgtg tgtgcgtgcg tgcgtgtgtg tgggtgtttgc 1080
tcactaagca gggtcgtccc cttacacatg cctggaatgc agccaacgtt tccagtttga 1140
gttcccctat gtggcgcatc tgcgtttccg ctgccccaaag agacttcaca gcgctgatat 1200
aagtccccaa gacgaacaag gcggcgcggt gggcaccaag gaccacgggg gcggcgcgcg 1260
cgggtggcaa aaccagcagc agcagcaaca aggcaagcgg ccgacgaaat cgtcgaccgg 1320
ggngttccgg nccaggggtc tcaacgacga ctttcaaaag gagcccacg 1369

```

<210> 4702

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(757)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (450)...(177)

<223> similar to gi3970866 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4702
ggaattctgt ccttgagccc aaagtctcag gtgcttggag cgtggctaga aacagatctt 60
ttggatccca cctctttcaa aaacaaaaag taccaactgg tgaggcagga agccagggtc 120
aggctgggac aggctcctt ctagggcgag tgcgctacaa gagccggggg ggtcagttct 180
gctgtaggat gaggttttcc agttcatctg cagagcgcag caggaaggca gcagactccc 240
ggtagcccgat gatgagctgc cgcacggcgc tgatctccgt ggggctgagc tgagcgggtg 300

```

gcacgggcct	gctgggtgctg	gtgctggaag	gggtgggcgt	gggggtgggtg	gaggtggtag	360
aggccccgcc	tttcatgctg	aggtccgtgg	gccctgtgga	gaggggaagta	gggtgagaag	420
ggagcagcca	ccctgcctgg	catctgggag	gtgtaccttc	cttggcactg	tcataaccta	480
tggcctagt	cccactgtga	gttgggcact	gaagtccgtg	gctctggtec	atctccctga	540
tggctctatc	cctagtgtct	agaatgggcc	tgcgggcgac	agggttctca	gagaatcctc	600
agggtgatct	tgcaaggatc	cggtttttag	tgaggaagag	gcggccttgg	ggcaaaggaa	660
ctcccaagat	ctgcctctcc	tcagtgtggt	gagcagagct	tgcgaatggc	aaatactact	720
tccattgagg	aactgtggga	caagtgctaa	nagaaa			756

<210> 4703

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (950)...(335)

<223> similar to gi1632819 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4703						
tttttttttt	ttggtttata	ggagagattt	atttgaagaa	atattacaac	atataaaaaac	60
tacataaagt	cttaatttcc	actcatacag	tggtagattt	gatataatgc	ataataaaaaa	120
acttttaaaa	tcagaatgc	acaaagtact	gcacaatttg	atcactaaat	cattagttga	180
taagcgaacc	tcacacaaca	gcttcatgtc	agccaaggcc	acaaacacca	tgtaccacac	240
atgtgaacgg	acagattgac	atgttaaaaa	cacaacatca	gtgcatgttg	gggattcctg	300
gtgccagaaa	caggggtgac	gggagggcag	aactagtcct	tagcagcttc	ctcctccttt	360
attttagctg	aggcactctc	tcgggctttg	gccaacatac	aaagcttgat	ctccaagcca	420
atggcttttg	ccaggggcgg	tggcacggca	ttgccacact	gccggtgctt	gtccaggatg	480
ttgccgaaga	gccggtaggt	gtcagggaa	ccctgggagc	gggcacactc	ccgcacgctc	540
accacacggt	gctgctctgg	gtggagcacg	cggccctgct	tgcccatggg	ctcgggggtg	600
gtgacggttg	tgctgaagaa	gccgtccac	tcgagccttc	catagaggcc	agcccagtgg	660
ttgtgccggt	tcccgggtgtg	gggcaggcac	caggggatga	gggtgttgaa	ctgcctggct	720
gcgggggcgc	aggctttgcc	ggcttcacg	caggagcaga	ccccacggag	ggccccagag	780
ctgctgcggc	cgttcttcct	gtcatggtgg	gtataccgca	gcttcctggc	catggtgccg	840
tctgagagcc	gcacctcgat	gttgggcaga	tcgcgccagt	ctgaccctgg	ggccaagggg	900
atgtgccgca	tgcgggcagc	caccaatgca	ctcatgtcct	tacagagtgt	ggggggccca	960
gctgtcacct	catgtgagca	gcatccgagc	atccatggtg	ggctgggagc	tggaacacc	1020
atggtgacca	ggaagcccc	tggggctcac	gcccatcggg	aaagagacag	tcagggatat	1080
cgcacttggc	tcgaggccac	ggcagggacc	tgaggcagcg	caggtgtagg	agagcgtggg	1140
aatctaagct	gagcctttag	ggtgggggaa	ggggagtggg	gccaggggat	ggtgaaaggg	1200
ctggtcttgg	catcctggga	aaacatgcgg	ggagaggcag	caagggggaa	ggcagtgggtg	1260
ggtgggcagt	ggcttgacac	cattccagac	caagtccagg	actgcgggag	ctctgacact	1320
tcccatgacc	atgcaagaga	gacc				1344

<210> 4704

<211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (34)...(157)  
 <223> similar to gi3168866 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4704

tattgacgac	cctagtcctg	gtggtggaat	tcgcagcccg	ctgctgcccc	cgacttcctg	60
cagctgccaa	cggagccagg	ccgcggccga	gcagccgccc	tggccgctgc	tgtggcctct	120
gcagccgctg	cacaggaggt	gggcccagc	agagagggtc	ccccagtcag	ggcccgtctt	180
gctgaccatg	gggaggacgc	cctggcgctc	ccaccctaca	caatgctcga	gtttgcccag	240
aagtatttcc	gagaccctca	gaggagaccc	caggatggcc	tcaggctgaa	atccaaggag	300
cctcgggagt	ccagaacctt	ggaggacatg	ctttgcttca	ccaagactcc	cctccaggaa	360
tcctcatcgc	aactcagcga	cagcagcctc	agcaagatgg	ccaccgacat	gttcctagct	420
gtaatgaggt	tcattggggga	tgccccactg				450

<210> 4705  
 <211> 1420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1421)...(1090)  
 <223> similar to gi4580997 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4705

tttttttttt	ttctgagatt	ttttaaacaa	aaacatttta	tttcaaaggg	cagataagta	60
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aacaaaatgc	catttatgtc	tcttaaaact	catatgacac	aatacacatc	ttaaataaat	180
aaccaggtct	gttgctatgt	attaaaaaca	gtcccagggt	tgggtgtgtg	tgtggagcga	240
agccggttgc	tgggcttgga	cccgccaatc	ccagtgcccg	tggggagacc	gcttcccaaa	300
cctctgctgt	gcccctgtgc	ctgagctgaa	cagcagcgcc	atggcccccg	agggcggcag	360
gaaggccagg	ggctgggatg	acggtgactt	cggggcgctc	tgtggctggc	aagcctgggt	420
gcctccaacc	ggaggtgctt	cctgcctcct	cacccttggc	ttctcgacaa	ttagttttta	480
ggtcagtcgc	aaacatcatg	ggtgctggaa	aagcctctgg	ggcgatgtgg	tgggtctgag	540
ctccgtcttg	gtttccaacc	tgggtgtcgg	ccttcttgat	gttggtgtgg	gctggctctc	600
tgcttctctg	ctggccggca	ctgtctgggt	ggctctgggt	tcctgttttt	ccatgtggca	660
catacagggt	ctctgaagcc	acagccagcg	cagtactcgc	tcactttgat	gttctgtggc	720
tggaatgcct	gagagggctg	gggctacctg	tgcaccccc	ccaccctccc	ggccttggtg	780
tcacgcgtgc	atttggtggg	ctgcatgggc	acacgcctgt	gaggccaggg	ccggccgggt	840
cttcggttct	ctggcttggc	tcaggcagca	gttcctgcag	acttttctca	ctgctgttca	900

gcaatatgtc	tcctttaaaa	tagcaccagg	ggttctcagg	ttggcttctg	tgtcttttcc	960
aggtgcgtgt	gcaaaaggca	aagggaggtc	actctttcca	tgcagggccc	tttgtctgaa	1020
ctgtccttga	aaggcagttg	tgaaggggtg	gcccagaccc	cctccacggg	actgggggtg	1080
ggtgtcactg	ttccttaaat	ggaacttggt	cccccgtagc	tgaccctggg	cagctcagct	1140
ccttgtgtat	gaggcggatc	aggaacagta	aggcacaggc	atctgcaaac	atcagcatgt	1200
aaaacacatt	gctccagccg	gacggggaga	ggagcccagc	cagcaggggg	cccagggctg	1260
ctcctacaga	gcccgtcccc	tcaatgatgg	ccgtcacggg	ggagagggcg	tgcgcgttgc	1320
ctttcagact	tttatgagtc	cccaggtcgg	cggagacggc	ggtggtgatg	agtgtgtagg	1380
gcccaactgac	cagggctccg	ctgagcagca	gcatgtcgat			1420

<210> 4706

<211> 1582

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (1583)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1230) ... (671)

<223> similar to gi3417296 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4706

tgggaggggtg	aacaggggaa	ttgcttggac	ccgggaggcg	gagggtttcaa	cgaaccaagg	60
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agtattccaa	actccaaaat	caaaaacact	tccagtccca	agcatttcag	ataaggaata	180
ttcaacctgt	atgaatgttc	ctagggaaaa	aaagacagcc	aaaatataag	accatgtata	240
agaactaact	tcagtagaca	gaaagaaaaa	agtaccaggg	gaagaagaaa	gagaccgcat	300
tttaaaacaa	ctatacaaat	ttgagctgta	agaaacactg	acattttcta	taagcatgct	360
agagcaaatg	ggagaaaattc	ataagacgtt	ttctagaaaa	taaaactaat	ataaaaaaac	420
ttatcaagat	ttgtccaagg	aaaaagacga	agaaaagtta	aatataatgg	caagaaaaca	480
ttcctaccaaa	ttttatttat	ccaggcatgt	cttaaatatg	gctgtttgtt	acatacagt	540
attctgcaga	catgttgaca	tgacagtga	atacataaat	atgtaatgag	aaaaggctta	600
actgtggata	aaacaaagtc	attacaatta	aagactcgag	tttttggcat	ttccaattgt	660
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aaatgatgat	ggcagtttctg	tatttatctg	ttcaacaatc	agcgtgagta	aattcaagac	1020
tgagatgata	taattggtac	cacaagtctg	gcaattctcc	agttggtcta	atccatagt	1080
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acactcatta	gcagctgtca	acacagcctc	agaaaaaac	acctggtttg	cagccgtcac	1200
acatctcatt	actctgtaca	gaacctgtgt	ctctgaagca	gcggtttccc	ctcgaacttg	1260
gccgacacca	ccaggactcg	gaagctacag	gagcaacggg	tgagggtcgt	gtcctccacc	1320
tcctaccgag	cggaagaata	tgaatggtgc	cgaaccgcgc	ccccgagctc	ttttccctt	1380

gtccggcggc	tcaactcacc	acatgctccg	cctccaggtc	ccgctgcagc	ttctcgcgga	1440
ggtattcggc	gctgagttcc	atggcgccag	tccagctaga	acggcagccc	agcagggaca	1500
caaccccagc	tccggcgccg	gcgaattccn	cgctgtgtct	aggataaact	aggntcctca	1560
gttgggggga	ctctgggact	cc				1582

<210> 4707

<211> 4118

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(3649)

<223> similar to gi3327160 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4707

gcagcagata	cctggcctgc	ttccagctca	tggagaatcc	ggcgacgctc	tccgaaagcc	60
tcgcctccag	aagcccatca	cggggcactt	ggatgactta	ttcttcaccc	tgtacccctc	120
cctggagaag	tttgaggaag	agctgctgga	gctccacgtc	caggaccact	tccaggaggg	180
atgtggccca	ctggacgggtg	gtgccctgga	gacccctggag	cggcgccctgc	gtgtgggcgt	240
gcacaatggt	ctgggcttcg	tgcaaggcc	gcaggtcgtt	gtactgggtgc	ctgagatgga	300
tgtggccttg	acgcgtcag	ctagcttcag	caggaaagtg	gtctcctctt	ccaagaccag	360
ctccgggagc	caagctctgg	ttttgagaag	cgcctccgc	ctcccagaga	tggtcggcca	420
ccctgcattt	gcggtcatct	tccagctgga	gtacgtgttc	agcagccctg	caggagtgga	480
cggcaatgca	gcttcgggtca	cctctctgtc	caacctggca	tgcattgcaca	tggtccgctg	540
ggctgttttg	aaccccttgc	tggaagctga	ttctggaagg	gtgaccctgc	ctctgcaggg	600
tgggatccag	cccaacccct	cgcactgtct	ggtctacaag	gtaccctcag	ccagcatgag	660
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cgacctgagc	cagacctccc	tggtcctgga	aacatccatt	gccgaacagt	tacaggagct	1080
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gtgtgaacag	aaagtgagag	gttgtagcac	attgccaccg	tccagatctc	gggtcatctc	1920
aaacgatgga	gccagccgct	tctctggagg	cagcctcctc	acgactggaa	gctcaaggcg	1980



aaaacacgtg	gtgcaagcac	agaagctggc	ggacgtggac	agtgagctgg	ctgccatgct	2040
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atcctattat	ttgctatgca	atattttatg	ctggtattat	atctgttttt	taaattgttg	4080
aacaaaatac	taaactttta	cacgtctaaa	aaaaaaaa			4118

<210> 4708

<211> 2071

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1950)...(1340)

<223> similar to gi3879465 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4708

tttttttttt ttattcagaa ggaagtgaag tcctatatca aggtgcttag tgcattgcaa 60

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acttccaaac	tggaagccac	tgttattttc	agcctttgaa	cctgaagctt	gggcaagggg	180
gagccccggg	tctgtcagta	tggtggccac	ccgctcctgt	ctgtttcccc	actcagtgc	240
ctcataccag	gtgggtggat	gagggttgtg	gccaccgttt	gcctggtttg	gggtgggtgcc	300
cggtcggtct	cctgctggcc	ggggctgctg	tcttcagcaa	actttagggg	aacccgggcg	360
ctgagatttc	agctcttacg	ccccagaagg	cctctaagaa	tactagctc	agtccttccc	420
caccccagcc	tctagaggtc	ctggcccttg	tgccatgact	ggccccacag	tagtcatttt	480
gggaagaaac	ccaggaatgg	gcagaatggg	agacaaagcc	ttgatcttca	gggcaacct	540
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ccatgggtgag	tgggagactc	tcactctgcca	acacccttgc	tgcccccaag	tatttcgagg	720
aaggtgggtga	gaaaagtgc	agctgggtgag	agagggctcg	tgggccccct	ctactggcta	780
aaaggtgttt	tacgggtgca	gggctggcca	ggcactgggg	tgggcaccct	taaggggctt	840
gcagaaaaga	ttttgggtgg	gcaggtgaga	cctagaaaac	ccagggcaag	acactgggtg	900
cttaaacaga	gaatcttcca	ggagcacagt	ggcccgccct	ggccatggga	tgagttttta	960
atgtgaggca	aatcagtc	acaatacaaa	atctaaaaat	cacaccact	tttccacct	1020
ggctcccggg	gaggggggaa	gctgggggtt	tcttttgctt	gcaggggtgtg	gggaggagca	1080
gaggagggcc	aagaaaggga	gaaggaaaca	gaggccacag	aggcctggct	ggaggtatcc	1140
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gcctgtgtgg	gcccagcccc	catctgtctg	gtctggccct	gagaggctcg	ggcaccagct	1260
gcatcatttc	tctttcttct	ccagccctt	cgatgctgat	gcctctgttc	cctctttgga	1320
ttctgtcact	gccgctggat	ccttaggatt	tgactcctca	taactgaaca	tctctgtcac	1380
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gatgtaggct	gcaaagctgg	tgtagaagta	ggtgtgggtg	ttcttcttca	agctgatgtc	1560
aaagcgcagc	agcaaggcaa	tgaagatccc	tggaatgacg	acatctccaa	gtcccagcat	1620
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gagctctact	ccattaaggg	agaaggccag	gccaaaaagg	ttgttggtgaa	tccagtgtt	1860
cctcagcagg	taccagacgc	caacgatgct	gctcaggccc	aggcacacca	ggtccttggt	1920
gtcaaattca	taattgatga	tctcttccct	gttttcccc	gaaccctgtg	tgaagagcag	1980
ctgggtactgt	cgatttggaa	agctggctgg	aaaaaactta	ttcatgaagg	ggctgatgg	2040
gtgggacagg	gccagaattc	caccgcaatg	c			2071

<210> 4709

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (18)...(130)

<223> similar to gi4186183 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4709

cagtgtggag	gaactctgac	tggagcaggt	ataacgaggc	ccggcctccc	aacaacggac	60
agaagtgcac	agagagcccc	tcggacgagg	actacatcaa	gcagttccaa	gaggccaggg	120
aatattaaag	agactgggat	gaggtggagg	acgctgcctc	tggttctgga	gcacacacgt	180

gctgcactga	cgtgccgact	ggcgccgaga	ccttcatage	tgcggtcgtg	tatatttgta	240
tataccacat	gagtatttct	catacattac	gctaggggcg	tgtgccacgc	ccaggggact	300
gccttgtgaa	gccgccctcg	ccatctgcag	agctccttga	aagtgccctt	ggggagcgat	360
gtgggcagaa	ggatggggac	aacttggaa	ccagaagaag	aacctggaag	ccacagtggg	420
tgcgactcaa	ttcacacccg	gatccagagt	ttcaaagaga	ggcaaagg		469

<210> 4710

<211> 1645

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (503)...(984)

<223> similar to gi4741998 in the genept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4710

ctccccacat	catgagttta	gtgtcagata	ttattttacaa	acatttttaa	agcagggtca	60
gcaggcccgg	aggattgcat	gtccagtggg	agtgaggag	gggtggaggc	cactgagggt	120
gggtcagcgg	tccccagggt	tctgtggcct	cttccagact	ggcttggaaa	aagtgccttt	180
attttcttgg	agttccccca	tgcagatgtt	aactttaggg	gcaaaggaaa	gacaaaggct	240
acatttcatt	tctgagtcct	tagatgtatc	cgctattggg	aagagggttag	agggtcaatga	300
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<210> 4711  
 <211> 7196  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3)...(3935)  
 <223> similar to gi2564326 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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<210> 4712

<211> 2115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2116)...(1111)

<223> similar to gi5262462 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4712

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<210> 4713

<211> 1137

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (15)...(411)

<223> similar to gi4107015 in the genepept database release 114, ;

Run with FASTXY 3.3t00, default parameters

<400> 4713

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<210> 4714

<211> 3437

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2686)

<223> similar to gi4240227 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4714

caaaaaggct	attacctgtg	gggaaaagga	aaagcaagat	ctcattaaga	gtcttgccat	60
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ctctctggag	agttcgagtt	tcccgtctacc	gaaacagtac	ctggatgtga	gctcccagac	180
agacatctcg	ggaagcttcg	gcatacaacag	caacaatcag	ttggcagaga	aggtcagatt	240
gcgccttcga	tatgaagagg	ctaagagaag	gatacgccaac	ctgaagatcc	agctggccaa	300
gcttgacagt	gaggcctggc	ctggggtgct	ggactcagag	agggaccggc	tgatccttat	360
caacgagaag	gaggagctgc	tgaaggagat	gcgcttcctc	agcccccgca	agtggacca	420
gggggaggtg	gagcagctgg	agatggcccc	gaagcggctg	gaaaaggacc	tgaggcagc	480
ccgggacacc	cagagcaagg	cgctgacgga	gaggttaaag	ttaaacagta	agaggaacca	540
gcttgtgagg	gaactggaag	aagccaccgc	gcagggtggc	actctgcact	cccagctgaa	600
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cagccggggc	tccctggttg	catccagcct	ggactcctcc	acttcagcca	gcttcactga	720
cctctactat	gacccctttg	agcagctgga	ctcagagctg	cagagcaagg	tgaggttcct	780
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cgcccaggaa	agataccggc	tggaggaacc	aggaacggag	ggcaagcagc	tgggccaagc	1140
tgtgaatacg	gcccaggggt	gtggcctgaa	agtggcctgt	gtctcagccg	ccgtatcgga	1200
cgagtcagtg	gctggagaca	gtggtgtgta	cgaggcttcc	gtgcagagac	tgggtgcttc	1260
agaagctgct	gcatttgaca	gtgacgaatc	ggaagcagtg	ggtgagaccc	gaattcagat	1320
tgccctgaag	tatgatgaga	agaataagca	atttgcaata	ttaatcatcc	agctgagtaa	1380
cctttctgct	ctgttgacgc	aacaagacca	gaaagtgaat	atccgcgtgg	ctgtccttcc	1440
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agtgttcaat	gaggtgttct	gggtatccat	gtcctatcca	gcccttcacc	agaagacctt	1560
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tgaggagacc	agtgagaatg	aggcagtagc	cgagggaagag	gaggaggagg	tggaggagga	1920
ggaggggagaa	gaggatgttt	tcaccgagaa	agcctcacct	gatatggatg	ggtaccagc	1980
attaaagggtg	gacaaagaga	ccaacacgga	gaccccggcc	ccatccccca	cagtgggtgcg	2040



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gagtgatagt	gacagctcca	ctctgtccaa	aaagccacct	tttgttcgaa	actccctgga	2220
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gctggaacaa	gccaagagcc	acggggagaa	ggagctgcc	cagtgggtgc	gtgaggacga	2460
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tgagcttcag	acagacaaga	tgatgagggc	agctgccaa	gatgtgcaca	ggctccgagg	2580
ccagagctgt	aaggaacccc	cagaagttca	gtctttcagg	gagaagatgg	catttttcac	2640
ccggcctcgg	atgaatatcc	cagctctctc	tgcagatgac	gtctaatacg	cagaaaagta	2700
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atatttagga	gtgtattttt	gggaaagaaa	atttaaataga	actaaagcag	tattgagttg	3000
ctgctcttct	taaaatcggt	tagatttttt	ttggtttgta	cagctccacc	ttttagaggt	3060
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agtctatgtg	ggtgacaggc	cacgtgggtc	tcagatgccc	agtgaagcca	ctaacatgag	3360
tgaggggagg	gctgtgggga	actccattca	gttttatctc	catcaataaa	gtgggcctttc	3420
aaaaagaaaa	aaaaaaa					3437

<210> 4715

<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (42)...(701)

<223> similar to gi3875400 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4715

accacattcg	aggactcgtc	cgcgcggtgc	aattcctgct	cacagctgcc	cagctgaaag	60
ccaaggggga	gctgagcttt	gaacaggacc	agctggtggc	tgggggccag	ctgggcgagc	120
tgcaaacgg	gacacagtat	cgtgaggtcc	gccagttctg	ctcgggctct	ggccaccacc	180
ttgtgcgctt	ctacttcctc	actcgtgttt	actccgagta	ccttgaggat	gttctggaag	240
agctgacata	tggacctgcc	ccggacctgg	tgatcatcaa	ctcctgcctc	tgggatctct	300
ccagatatgg	tcgctgctca	atggagagct	accggagaaa	cctggagcgg	gtgtttgtgc	360
gcatggacca	agtattgcc	gactcctgcc	tgctgggtgtg	gaacatggcg	atgcccctcg	420
gggaacgtat	cactgggggt	ttcctcctgc	cagagctcca	gcccctggca	ggctccctgc	480
ggcgggatgt	ggttgaaagg	aacttctaca	gtgctacgct	ggccggggac	cactgctttg	540
atgtcctaga	cctccacttt	cacttccggc	atgcagtaca	gcaccgtcat	cgggatgggtg	600
tccactggga	ccagcatgca	caccgccacc	tctcacacct	gcttctgacc	catgtggctg	660
acgcctgggg	cgtggagctg	cccaagcgtg	gctatcccc	tgaccctggg	attgaggact	720
gggcagagat	gaatcatcca	ttccagggaa	gccataggca	gacccagac	ttcggggagc	780

acctggcctt	gctcccaccc	ccaccttctt	ctttgcctcc	tcccatgcct	tttccctacc	840
cacttctca	gccctcgcca	cctcccctct	tcccaccct	gccccaggat	accccttttt	900
ttccaggcca	gcccttccca	ccccatgaat	tcttcaacta	taatccagt	gaggacttct	960
cgatgccacc	ccacttagga	tgtggccctg	gagtgaactt	tgtgcctggc	cctctgccac	1020
ctccaatccc	tggcccta	ccccatggtc	agcactgggg	cccagtggtc	caccggggga	1080
tgccacgcta	tgttctaac	agccccctacc	atgtgctggag	aatggggggg	ccctgcaggc	1140
agcggctcag	acactcagag	agactgatcc	acacatacaa	actggacaga	cggcctcctg	1200
cccattcggg	gacatggcct	gggtagactg	gatcttgggc	tgggactgga	tgtgccaatg	1260
gcccttcagg	gctgctgg	cacctcaggt	actgggctag	ggtgtctgct	atgcttggt	1320
ttgttcttgt	ccattgctgt	caccaataaa	ggcatggaag	aacaaaaaaa	aaa	1373

<210> 4716

<211> 1088

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1091)...(870)

<223> similar to gi4689112 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4716

aaagtccttt	gataaaacca	cgagaggaga	tactgtatgg	agacatgagg	agatactgtg	60
tgagagcgag	gagatactgt	atggagacat	accatggggc	cttcaaggag	cacctctgta	120
tgggctggca	aatccctttc	actcatctag	aaagaagcag	acacttgtca	tcattgggaat	180
attttattgg	gtataagtgt	tttaggtaat	tgataactga	tttttctact	gtttttaagt	240
gattacttca	aatgtgattt	gaagcattgt	ttggcctgaa	gctttaagac	cagttttctta	300
agcttttccc	tgagtttcag	cagcttacgg	tttcagtga	taagcagagc	gcctgggtttt	360
gaattgtctg	ttgtttgttt	gaaaatctga	atgtgtcttt	caaaggctgc	tgtgatttct	420
ttggataaaa	tcagatttcg	tatcccttag	agagcttcca	ctcctgcttc	acctttccaa	480
aaactagacc	taaggtagaa	gccacctcga	cagctcaaag	ccagagttag	aacaatcata	540
ctgaatagat	acaatagttt	atctgggtgcg	tatttgga	aaggcatgac	aatcaatacg	600
aggcagcgca	gctcggagtc	acaggcccga	ctcggtttga	ggctccgcgg	accataatta	660
gctatcacat	caaacagggt	ctgtagcctc	tctcggtttt	tttcataaaa	caggaacaat	720
aacagcccct	ccctctgagg	aggtgcgtgg	aaagcagggt	gacgtaggca	agtgtgaaat	780
gccgtgcggg	gttatctttt	agtagaagag	tatccttttt	gtaaaatgtc	ttcctttctcc	840
cttccacctt	cttaacttca	cttttggctt	attaagctca	tgaaccatag	aggtatctcg	900
gtggcccctc	attaccatct	gctgttcttt	cagctgttta	gctacatctt	tggtgagga	960
accagacact	tcaatccatg	tcttagagaa	gaatgcacat	gaccccaaca	tgaagatgat	1020
ataaacaacg	acatggacag	gatcctcaaa	gatggcgccc	atggactcag	gaggagaaag	1080
atagtaac						1088

<210> 4717

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (157)...(228)

<223> similar to gi3142637 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4717

cataaaggat	ctataagaga	agcaagaaaa	acgcactccc	actaattctc	atatggaaaa	60
atcagggttt	tgaagacttc	aggagctaca	gagatgctag	caccccagct	ctgcttgaat	120
tttaaattac	attaatatgt	attccctttt	tatatagcta	ctcccgagcc	cggagaggac	180
ccacgcgtga	cccgggccaa	gtacttcatt	cgagatgagt	ttctggtgag	tcgagcctgt	240
cttttagttt	ctctcttggt	cctcctcttt	ttctcatgga	tgtaaattta	cttaattcca	300
aattcagggg	ttcagctacc	cagttccatg	gttttagttc	acgcacatcc	agtgtgggat	360
ttgagctctt	tgcgcctctc	tttttg				386

<210> 4718

<211> 1005

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1006)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (922)...(745)

<223> similar to gi2587061 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4718

tttttttttag	cctttgtctc	ttcttttattt	gcggatataa	ttatgtaccg	cactctaaat	60
tagagataga	ttttttttctg	atatacattt	catcttattc	accacgagca	caccacacgc	120
acagtagaac	agttccacac	ctgataaatt	gcacaagatg	agagtttaga	ttcctgaaaa	180
ccggcaggca	agctggcccc	gccgcggctt	ctcgccttcc	ggcttcgttg	aaggaaattg	240
cccacccaaa	atggatttcc	cagtcagcct	ttcccgctgc	agggttgaaa	cgtctccgga	300
atgggaagcg	ctcttgctgg	aaatggctgg	acgctgtaga	ttccgagctc	tggatggatg	360
tgaaatatct	ccccaaagtc	aagttgccac	gcctgcgagc	tgcgccccct	ctccctccct	420
tcccaacccc	ctcgatgact	ggaaccaaag	tgtcggggcc	ccacttgga	ggacagagaa	480
ccctgcccgc	aatgcacccc	cgctcccccc	caaaaccagg	gtgttggtga	aaagaaagga	540
caacagaaac	gcagacgcga	tggatcgtga	atccctgtcc	cctcccatcc	cccccatccc	600
cgaataatca	gaaactagga	accagagatg	tttaaagctt	ggcctcccaa	gcgcggcggc	660
agggcgcact	gggctgggtg	gggcgggggtg	aggggagaag	ggagagagcg	cagaagcgcg	720
gcggggggctc	gcccttgccg	cctagtccct	cgcgttggtt	cggtaggctt	cgatgaggcc	780

ctcgagggag	tgcacgaagc	cggacacgct	gcagatgccg	ccgatgacga	agatggcgac	840
gtcgaagaag	acttggtgcc	acagcagcaa	gcgccagagc	aggcgcaggt	gaaagaggct	900
gggcagcaag	aaacagaggc	cgggtgaatt	ccgccgcncct	gtctaaacgt	gtctagncca	960
nggcttcagg	gnctggctnn	ncnggcctct	ccttnnnnan	gaaac		1005

<210> 4719

<211> 1729

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (14)...(1023)

<223> similar to gi1537013 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4719

cccacgcgtc	cgggaagtga	agacaataac	atgtgccttg	aaacagtatt	tgaggagtct	60
tccagagcct	cttatgacct	atgagttaca	tggagatttc	attgttccag	ccaaaagcgg	120
cagcccagaa	tctcgtgtta	atgcgatcca	tttcttggtg	cacaaactgc	cagagaagaa	180
taaagagatg	ttggatattt	tggtgaaaca	cttaacaaat	gtttcaaata	actccaagca	240
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aattgaaaac	catgaaaaga	tttttcggac	gccgcccgat	actacattcc	ctgagcccac	420
ctgcctgtca	gcataccccc	caaatagcgc	accaaggcag	togaagagac	aaggccagag	480
aaccaagagg	cccgtggccg	tctacaatct	ttgtctggag	ctggaagatg	gtgacaatcc	540
ttacccttcc	aaggaggaca	ccctaccag	cagtctggac	tcactttcct	ccccgtctcc	600
cgtgactaca	gctgtccctg	ggcctcctgg	accagacaaa	aaccaccttc	tggcagatgg	660
agggagcttt	ggagactggg	catccactat	cccaggccag	acccgatcgt	ctatggtcca	720
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acccgggtcg	tcccccttcc	ccttttctcc	tcctgctact	gtagcggaca	agccacctga	840
aagcatccgc	agtcggaagg	ctcgagccgt	gtatccgtgt	gaagcagaac	acagctcgga	900
attatctttt	gaaataggag	caatttttga	ggatgtacaa	acctccaggg	aacctggctg	960
gctagaaggg	actctgaacg	gcaagagggg	gctgattcca	cagaactacg	tcaagctgct	1020
gtagctcctg	gcctcagagc	ccctgctgac	cctggcaccc	agggacctgc	ctgggggcag	1080
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acacagaact	gtgattgtgg	atcaggaggg	gaatgtcagg	attcgcaaaa	tggacttttc	1260
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cctagacggc	accctgcagg	acccacact	cactgactg	gcagcgtgca	ctggcgattt	1620
tgtaacaggc	ttctcggtgc	tcctcaccgg	tgtgctgttt	tccaaacacc	acctttttgc	1680
ctcaaggtct	ctgtaaatga	aataaactgt	aatttactaa	aagtcgacg		1729

<210> 4720  
 <211> 1242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (14)...(692)  
 <223> similar to gi5911846 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4720

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catggaccct	ctggaggcca	tccagctgga	actggacact	gtgaatgctc	aggccgacag	120
ggccttccaa	cagctggagc	acaagtttgg	gcggtatgct	cgacactacc	tggagcggag	180
gaactacatc	attcagaata	tcccgggctt	ctggatgact	gcttttcgaa	accaccccca	240
gttgctccgc	atgattaggg	gccaaagatg	agagatgtta	aggtagataa	ccaatttaga	300
ggtgaaggaa	ctcagacacc	ctagaaccgg	ttgcaagttc	aagttcttct	ttagaagaaa	360
cccctacttc	agaaacaagc	tgattgtcaa	ggaatatgag	gtaagatcct	ccggccgagt	420
ggtgtctctt	tctactccaa	ttatatggcg	cagggggcat	gaaccccagt	ccttcattcg	480
cagaaaccaa	gacctcatct	gcagcttctt	cacttggttt	tcagaccaca	gccttccaga	540
gtccgacaaa	attgctgaga	ttattaaaga	ggatctgtgg	ccaaatccac	tgcaatacta	600
cctgttgctg	gaaggagtc	gtagagccc	acgtcgccc	ctaagggagc	ctgtagagat	660
ccccaggccc	tttgggttcc	agtctgggta	acatttgccc	ttgggaatac	tcctgcacaa	720
ggtctcctac	caccttctgc	tggacctgtg	cttgggcatc	agcaatgagt	atgccttcta	780
ttgtgctttg	tttttgctga	cttttctgca	ccctgtttcc	ttggatatt	cagttctctc	840
aacctcaaga	ttgagacggt	ggtgggtatg	cttctccact	tccatatgac	cttcatgctg	900
ttctggaata	tcacatgcta	cgaggtcac	cttcacacta	cttgtaagcc	aagcaaata	960
tactgtagat	tgtactgcct	ttatctgcac	tgcttgacc	ctgtttatc	ccagggcctc	1020
tgaactggtt	gctgtcactt	ggatttctag	ctttgggagc	ctgttccacc	tactcagctc	1080
tgcattgagc	agtatgggca	catgccctgt	ggacagttac	tggacgttaa	tgaactcaga	1140
ggagaaaagc	agttagccac	ttgttctgtg	tgatttatgg	tacttcattg	ctcttccttc	1200
acctctagtc	actttctatt	gtacctgcc	ctacattggc	tc		1242

<210> 4721  
 <211> 902  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (855)...(754)  
 <223> similar to gi758205 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4721

tttttcaaag	ggtctttttt	tttaataagg	tttttcaaga	agacattagt	gaaaatttaa	60
acatctatat	ggccaagaaa	agttaatttc	ttctacagca	tccataagaa	acactcagta	120
aatggcccat	tatacagctt	taatttcaat	atattttctt	caagttcagt	ttacatacag	180
acactatgaa	cacgattctt	tgaaatacca	ttatacagga	atgttgatt	atttaggttt	240
cttctctgtt	acagctcacc	tcacactggg	gtgaaagaga	ttggaactga	gatttgcagc	300
catcaaatta	ctgttagtta	gattgatggg	tggcattgtc	acagaacctc	cgcaatgtgg	360
attttctttc	aagccattac	agttagtgtc	gggattgata	gggtttgggtg	gttcaatggt	420
tacaagtttt	gtatctggag	acataggatg	aacattttca	tttgcacctc	gttgaccaag	480
tccaccttca	tactctttct	tttttgggtc	tgagatatct	cctcttcttc	ctttgacttt	540
aataactctg	actttgatct	ccttgggctt	tttctctttt	tctatttctc	ttcccaaac	600
tgaactactt	agcagtgtat	tggataaaac	tgtttttctt	tcatctttcc	tgagttcatt	660
ttcttttagaa	ctctcttttg	gctttattaa	tgaattgact	tttgcttctc	gcagtaattt	720
agctttcagt	tctggcatga	atccactttc	aaaacaattt	tatggagtaa	atccaaatca	780
gaactactag	gaagataggg	atttccagtg	gccatctcaa	tgatcataca	gccccaaaggc	840
cagatatcca	caggtctggc	tgaaactcac	atccaggcga	ggcgctcacg	cctcgtgcc	900
cc						902

<210> 4722

<211> 1100

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (814)...(566)

<223> similar to gi2431772 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters.

<400> 4722

tttttttttt	ttaagagatt	tacttcatct	ttattaacag	taccatagta	ttccactgtc	60
tagtatacta	taagtgatct	atataccaat	aatgaatact	taaggggtgtt	tcaaactctt	120
tattattaga	aaagtgctgc	cagaaacatc	cttgccatgc	ttctgtatgt	actgggtgcta	180
gtgtttctat	cagataaatt	tttagacatg	aagtgaatta	ctaggcatag	gaaatataat	240
ttacactttt	gatagatact	gagtttttgc	tcatttgcta	catgaagcag	aggcagagta	300
ttctgtgtgg	ggtttgggac	aggaacactg	acccctgaag	tcgagcctgg	gggtctaaca	360
tagtggtcat	ttgtccagcc	tgttttatgg	aaggaactgg	actctgagct	ttggggaatt	420
tcttgcaaga	taaatgtata	tcccacctat	actggtaaca	ggtaagttat	gcgcaaagat	480
gaaaagacaa	agccctagct	agatcagctc	ttgctctcag	cactacaatg	gccagcggt	540
attctttcag	ttaaaatgac	aattaataca	gtttcattga	agcttcaaac	agagcagcca	600
gatcctcttc	tgactgggga	caggggtgcaa	gcttggtgac	cctttcctgg	ggcagcgttc	660
ctttcactag	tgcggggata	tcagctttgg	agtaaccaac	agctgctagg	ccatcatcaa	720
catccagatc	gaataagaat	ttccggagcg	tgtctgccaa	caccagccct	gcattcttga	780
tcttggcagt	gcgggtgtcg	gctcctagaa	gacataaagt	gctgactgta	gggagagagg	840
aagaaacggg	ctctgggtgg	agttcagtca	caagatcagt	gaatacacca	tgcacacca	900
cggggtctcc	ctaacgcccc	gcacggggcc	atcggtgtgc	tccccaggag	ggcccaagtt	960
ggctggggga	gctcacttag	ctctgacatt	tcggaggggc	tgccaagtcc	tacatacttg	1020
cccttgtgt	ggtaggaaga	agaggaacaa	agacaagaag	agaggtgcag	aacaaggcaa	1080
gaaagtcggc	tggtgctggg					1100

<210> 4723  
 <211> 1921  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1923)...(842)  
 <223> similar to gi894162 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4723

tttttttttt	ttgtgttcat	tggtttaatc	ttttatttgg	aacaaaggaa	aaaaggactg	60
acaccagttt	agcctttgag	tgtgcagagc	tctgccctcc	ctcccacccc	tcagccccaa	120
atccaagatt	tcatagccct	aacaccccacc	caagcagctt	ccctcacaca	tgccctttgt	180
tttcttcctc	tcttctatgg	ttccttaggg	aaagccttct	ttagggatga	aaagctaact	240
acagcccagt	ctggcctcca	gcagcccagg	gtcagctcag	cctccactgg	aggcgaggga	300
ggagggcaaa	gggcatggga	gaggtagggc	ttgccctcca	ggagccttcc	ccttccctaa	360
ggagccagtc	caggattggg	gaggaaggca	agaggggggc	cttagccagc	tgtcacatta	420
gaggaatagg	ggctgggagt	ggggatgaca	agaagtacaa	agaaagagaa	agttttgggg	480
gagatggata	acaagctcag	cctgtgtcaa	gtgatgtgga	aggggaaggta	atggtggggg	540
aaccagcca	tggccctatc	ccaaccccag	gctccacagg	cccaaattg	gctttgcaaa	600
tccaaacatt	ttaaggaagt	ggtttaggga	tgggaagagaa	acacggtaga	ggtctgtgct	660
gtggattttc	atctaggggt	gtgggaacac	cagagatgtc	tcctctgcca	ttgttttagt	720
tggctcctgg	acctcatccc	agcagaggga	gggtgactgt	cagcaggtca	gtcccaccgc	780
cactgtcccc	ctgcagtggt	gcctctgtgt	ctcaggcctg	gccaggctcc	ctgcccctca	840
gagctcctcg	tggaccgcgt	cctcgctctc	atctgaactc	agcttgagct	cgtcgactgt	900
gatcttgccg	tcctgggtgc	ggctcctggt	ctggaacatg	tctcctatgg	ttttctcagg	960
gtcctgcccc	ggcatgaggc	gtcctttgcc	ctcactcaact	tgagccttga	tgaagggtgga	1020
gaactcctcc	ggagggacct	cgccatcctt	gttgagggtcc	atgtcttcaa	acaggttggc	1080
aggaggggtcc	ttgtgccaca	caaacaggta	gcctgtgggc	agcccatcct	cccgggacac	1140
cagctccacc	tcaaacagca	gcacagcact	gcctgggact	ccccgggctc	cactctcccc	1200
gtggggccagg	tgcgggggca	cgatgagctg	cgcctctct	cccacacaca	tgccctgcag	1260
gcccgtgtcc	aggccttcga	tcaccttggt	ggccccgaga	gtcgccctct	ggggggcccc	1320
gtagtcatgc	gaggtgaaca	gctgggtgcc	gtccagcaaa	gaacagttgt	aatggtatcg	1380
aacaaagtcc	ccaagcttgg	tggctcatt	gcaggctctca	gatggccggg	acagtgtcct	1440
gatttccacc	acatccgcag	ggttgtggaa	gtcaatgaca	tggacgttga	agattagcac	1500
ggcagagcca	gggatcttgt	ctccagttcc	attctcccca	taggcgaggt	gcggggggat	1560
ggtaattctc	cggcgttccc	ccatgcaggc	accctgcagc	ccctggtcca	tcccggggat	1620
gatgtaaccc	tgcccgatat	aggtattgta	ggtgtggttg	cgggagtagc	tggaaatcgaa	1680
gagggtgccg	tccatcaagg	agccattgta	gtggtagcgc	atgaagtccc	cggccccggc	1740
tctgcggaca	cagccggggg	ggagctccag	cgtctctagc	tggacagcgt	ccttcggggt	1800
gtgcacgtca	atcaggagga	cgtgaaagac	cagcagggcc	tctgggggga	tcactgtccc	1860
atagcctttc	tcaaaatagg	ccaggaatgg	agggatgata	atcttccttc	tctctccagg	1920
a						1921

<210> 4724

```

<211> 1256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1008)...(382)
<223> similar to gi3413870 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4724
ttttttttga aatgaaatga atcatttaat gagaatcttc aaactgtggc actggctgag      60
tactaagcaa atccagggga agacgtgaag cccaccaagg cgcacagcct caactccggt      120
gcctgcccct gatctgaaat acaacatcca agagctcgag gcctttttac caccgcgttg      180
tgagcacct gcacctttct gacaacaact ctcaagccaa ctttcagaga gaaaacatga      240
agggaaaaaa tagatttcct ttggccagac agctctttct tcctcaataa ataggaacca      300
cacttggaac aaagagacag cgtgagctcg gtgggggaag cacaagcttt attggctgaa      360
agttcttctc aggagcctgg tctgctggga ctgcatgttc ctggatgggc tccccaggc      420
ctaagctcca ggtttcctct ggccttcga aggattttgt gggttacgac caattgatca      480
aagatgactt tttcctggcg cttgctcagc tgcaaaagct tcatgggtgt ttgcaacttc      540
ttttcttggt caaacaattt tttatgtagt ttggtgacct ctgccttcat ttctccaatc      600
tgctcacagt gaagggggca ctggccatcc tcggggagtg agactctcca gagaagcttc      660
agccgcctgt aggctcttc cagggtcagc ttggccgtgc tcacactgct caciaacttg      720
ctcagtgggt ctgggtgtgg accctttgtt cccagctctt gacttgtgga gctgggagcc      780
tcttgggttt gaatgtccat ttcagcaagg agcctctgtc cctggctgat ctgtttgagc      840
agggcctcat agtctcaat caggcccagg acatggcggc cattcttgct ggcccacagg      900
tggtggccag tgaccaggcg ggacacacac ggagtgtag ttgccgaact gccactgtcg      960
caggagaggg agtccgtgtc attcccagag agtggaggag tctctgaaac tgtaaaatga     1020
gaagttaggt gtaaaatctg tttcaggtaa cactctgcgt tcaagacgct tatgatgttg     1080
aagctagcta ggagggctag aagaggccct cgtgcccata tgccacccaa cacaagccca     1140
gaggggaaaa gaggcacgct cctggacctc tgtatattac cccacactgg gcttatgagt     1200
catctttagt gagaggctca agtcaactca accaacactt atcaaccacc cactcg      1256

```

```

<210> 4725
<211> 2255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)...(1791)
<223> similar to gi407099 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4725
cagggactga tcagctgggt atttttctgc aggatatgca ctgataagca acatagcttg      60
ggcatgtgga atttgtgcca gttccactct cccgtcacca tcaccccctg gaaggaggta      120

```



aggaaagtcc	tcccagagta	aatgacattg	aatctgagac	accaagaaca	tgtaggctgt	180
agctcagcaa	gatgagagga	ggtgtccaga	tgaaaggagt	agtatacaca	aatgcccaga	240
ttcaggggaa	acacaggccc	acagatccca	cacagcctca	tttctaagaa	aaatattttg	300
ttctgaagga	cgaaaatgac	cttcaaagac	cttgggatgg	atgacttggg	tatttactct	360
tgcgatgtaa	cagacactga	tggaatagca	tcaagctact	taatagatga	ggaagaattg	420
aaacgtttac	ttgctctcag	ccatgaacac	aagttcccaa	ctgtcccagt	taaatcagag	480
ttggcagttg	aaattttgga	gaaaggccag	gtccggtttt	ggatgcaggc	tgagaaactg	540
tctggcaatg	ccaaagtcaa	ctacatat	aacgagaagg	aaatttttga	aggcccga	600
tataaaatgc	atattgaccg	aaacactggc	atcatcgaaa	tgttcatgga	aaagctacag	660
gataggatg	agggaaacgta	cactttccag	cttcaagatg	gaaaagcaac	taaccattct	720
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caagaatgga	tcaggaaaca	aggtcctcac	tttgttgagt	atgtgagctg	ggaagtgact	840
ggtgaatgta	atgtactatt	gaaatgcaag	gtggcacaata	ttaagaagga	gactcatatt	900
gtgtggtaca	aagatgagag	ggagatatca	gtggatgaaa	agcatgactt	taaggatggt	960
atatgtaccc	tgcttataac	agagttttcc	aagaaagatg	ctgggattta	tgaagttatc	1020
ctgaaagatg	accgaggaaa	agataagagc	agactgaagc	ttgtggatga	agcctttaag	1080
gaactgatga	tggaagtatg	caaaaaaata	gctttgtctg	ctacagacct	gaaaatccag	1140
agcacagccg	agggcatcca	actgtactct	tttgttaactt	actatgtgga	ggatttgaaa	1200
gttaactggt	cccacaatgg	gtccgccatt	aggtactcag	acagagttaa	gaccggggtc	1260
actggagagc	agatctggct	acaaatcaac	gagcccaccc	cgaatgacaa	aggggaagtat	1320
gtcatggagc	tctttgatgg	caaaactgga	catcagaaga	cagtggatct	ctctggacaa	1380
gcatacgatg	aggcttatgc	tgaattccag	aggttgaaac	aagctgccat	tgccgagaaa	1440
aatcgtgccc	gggtgttggg	aggtctccca	gacgtggtca	ccatccagga	ggggaaggcc	1500
cttaatctca	cttgcaacgt	gtggggagac	ccgcctccgg	aggtgtcgtg	gttgaagaac	1560
gagaaggccc	tggcctcaga	cgaccactgc	aacctcaagt	tcgaggctgg	gaggaccgcg	1620
tacttcacca	tcaacggcgt	gagcacgcgt	gactcgggca	aatacgggct	ggttgtgaag	1680
aacaagtatg	gctcggagac	cagcgacttc	accgtcagcg	tgttcatccc	agaggaggag	1740
gcgaggatgg	ccgccttgga	gtccctgaaa	ggcggcaaga	aggccaagtg	accggagggtg	1800
cgaggagagc	cagccggcct	gtgtgacttg	ggtgtgaatg	gtttgggtta	aggatgagac	1860
gtcttcacgc	tttctcctcc	ctattat	ctggcttgag	gggaaaataa	tgtcagggtct	1920
ttcactcata	taaaaaagca	ccaactaatg	acactttaat	tgtttttctt	tatctacaaa	1980
attatgtgtt	aagaaaatac	cattcatagc	atgaagatta	ggaaacagtt	ttaaggagaa	2040
gacttgaatg	aagttggagg	gacattgaat	gatggtcaga	gggcagacga	atgtgtcgtg	2100
gggcgaattg	ggatttgctg	cagctgtgaa	gccatggccg	tgtctcgtgt	gttggttacag	2160
aggtgatgtg	cttttcgacg	ggcgctcgt	ggcttggaac	ctcctctgta	tgaataaaca	2220
gttttcacgt	ctgtcctctt	ccccgaaaaa	aaaaa			2255

<210> 4726

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1611)...(1520)

<223> similar to gi9451 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4726

tttttttttt tttgtcacag aacactgttt gcagtagagg aaactggcat tgcagtctgg 60

tggtataatg	gcttgtccac	ataaaccagt	acatgttcat	ccttttagcgc	aaaaagccct	120
aatggcgcg	taccctatta	aaattcagga	catctccaat	attctctctc	tctgtttttc	180
tttgtcatct	tttttttttt	taaataaaca	ttttcaaggt	ttgtccaaaa	gaaggccata	240
taggttcttg	gctagcgga	gacaattcag	aacagctgtt	gcacacttgg	actgtcacct	300
tctccaggct	ggcagttgat	atcttatttt	ttttccaact	cattttttatt	aaaaaaataa	360
aaaaatgctc	caactatcag	ctttacaaaa	tctctaaggg	aaacacaaga	gcaagggtgct	420
gaggtaaaaa	caoctgaggt	agcttattct	gtgtgttttt	ctcgttaaaa	aatctgtga	480
atttaacgcc	ctgggccaac	aaccttggtg	aatttctact	ttcctccaca	tttttttttt	540
ttaaagaaag	gaatcatttt	gctgaatatt	gatggcttat	acaccaaagt	gcaaaaagac	600
aaaatacatt	ctttcattgt	ggaatttttt	ctttgtttgg	ttgattgggt	ggtttgggtg	660
gttctgtttt	tcctcttcca	aaacgctagg	acaagtacca	ttgactcttg	ttcttttgag	720
taaccaagtg	taagttgagg	ctggtttgtg	tgtttcgctt	ttgttccttt	tgtgtgatgt	780
gatactcaga	gcactgcttt	gcctggggag	gggggggtgc	gtagatacgg	gattgagatg	840
gagggatgag	gaaattcaaa	agaatggaga	tggagaagaa	ggggaggggg	gggaggggag	900
agataaacag	agagagacag	agaattatat	agcagtatgc	aaaaaaccag	tttaaaacct	960
gtgaagcaaa	gagaaatggg	tgtatgagct	agacaggcat	gaggagtgc	agagtttcct	1020
cttcaaggag	acggtatccc	ttctgttgac	atacacaggt	gatccagaac	tgccgtgagt	1080
gtccttccga	cgagatttcc	ctctgggtga	attttgtgcg	ggtggcctca	aagctcctct	1140
ctacaccgtg	agacctccca	aagaaagact	ttattcttta	aagtctagaa	aagcctgctt	1200
tctctttaaa	aagaaaaaaa	aattaataat	tgattaaaaa	ttggagttag	ttgagttatt	1260
tgatatatta	tttctaaaaa	atattaccgc	tgcaggcacc	ctgtgtaacc	cacaggccac	1320
atatcttaac	atcttccctt	tctaatatgt	acacacatgt	acagagacga	tttgccacag	1380
aaaaagggtg	tgcattttgc	ttggctttga	acacgttcac	ctatgttagt	tcaactaaaa	1440
gggatagcgt	cgtgggagtt	caggagagat	ccgagtggat	ggtgaagtgg	attgctgaag	1500
cctgcaagac	accctggggg	gcgcggaggg	ggggctcggt	ggttctggca	aacctggctg	1560
accttccccc	cccctcctcg	gcccctgggg	tttctcaggg	cctcggcaga	gtccctggcc	1620
g						1621

<210> 4727

<211> 3114

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1712)

<223> similar to gi4539520 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4727

aatgaatgcc	accagatctg	aagagcagtt	ccatgttata	aaccacgcag	agcaaactct	60
tcgtaaaatg	gagaactact	tgaaagagaa	acaactatgt	gatgtgctac	tgattgcagg	120
acacctccgc	atcccagccc	ataggttggt	tctcagcgca	gtgtctgatt	attttgctgc	180
aatgtttact	aatgatgtgc	ttgaagccaa	acaagaagag	gtcaggatgg	aaggagttaga	240
tccaaatgca	ctaaattcct	tggtgcagta	tgcttacaca	ggagtccctgc	aattgaaaga	300
agataccatt	gaaagtttgc	tggtgcagc	ttgtcttctg	cagctgactc	aggtcattga	360
tgtttgctcc	aattttctca	taaagcagct	ccatccttca	aactgcttag	ggattcgatc	420
atttgagat	gccaaggct	gtacagaact	tctgaacgtg	gcacacaaat	acactatgga	480
acatttcatt	gaggtataaa	aaaaccaaga	attcctcctg	cttccagcta	atgaaatttc	540
aaaacttctg	tgcagtgatg	acattaatgt	gcctgatgaa	gagaccattt	ttcatgctct	600

aatgcagtg	gtggggcatg	atgtgcagaa	taggcaagga	gaactgggga	tgctgctttc	660
ttacatcaga	ctgccattac	tcccaccaca	gttactggca	gatcttgaaa	ccagttccat	720
gtttactgg	gatcttgagt	gtcagaagct	cctgatggaa	gctatgaagt	atcatctttt	780
gcctgagaga	agatccatga	tgcaaagccc	tcggacaaag	cctagaaaat	caactgtggg	840
ggcactttat	gctgtaggag	gcatggatgc	tatgaaaggt	actactacta	ttgaaaaata	900
tgacctcagg	accaacagtt	ggctacatat	tggcaccatg	aatggccgta	ggcttcaatt	960
tggagtcgca	gttattgata	ataagctcta	tgctgtggga	ggaagagacg	gtttaaaaac	1020
tttgaataca	gtggaatgtt	ttaatccagt	tggcaaaatc	tggactgtga	tgccctcccat	1080
gtcaacacat	cggcacggct	taggtgtagc	cactcttgaa	ggaccaatgt	atgctgtagg	1140
tggatcatgat	ggatggagct	atctaaatc	tgtagaaaga	tgggaccctg	agggacgaca	1200
gtggaattac	gtagccagta	tgtcaactcc	tagaagcaca	gttgggtgtg	ttgcattaaa	1260
caacaaatta	tatgctattg	gtggacgtga	tggagttcc	tgcccaaat	caatggaata	1320
ctttgaccca	cacactaaca	agtggagttt	gtgtgctcca	atgtccaaaa	gacgtggagg	1380
tgtgggagtt	gccacatata	atggattctt	atatgttgta	ggggggcatg	atgccctgc	1440
ttccaacccat	tgctccaggc	tttctgactg	tgtggaacgg	tatgatccaa	aaggtgattc	1500
atggtcaact	gtggcacctc	tgagtgttcc	tcgagatgct	gttgctgtgt	gccctcttgg	1560
agacaaactc	tacgtgggtg	gaggatatga	cggacatact	tatttgaaca	cagttgagtc	1620
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tgcatgtgtt	gtagtgtgta	agctacccta	aagctatcta	tctttatcaa	atggaatgaa	1740
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acaaaatgct	aaaatattta	atgaaaattg	atggtggcca	cagtgtgcag	gttataaaaag	2040
cattaatata	tttcaaggta	agagccttaa	aagttaaaaa	cattttcagt	ttttttttaa	2100
aaaacgtact	cttattatct	ggaacataga	aatataaaaag	gtaacatcta	aagcttagaa	2160
tagtgtgatt	tttagtaagc	cattattctc	ctattcaaat	aatatcccaa	agagctaaac	2220
aattccttac	atttaccag	aggaaaagctt	ttactgtgtt	gaggctaaaa	aaaataatgg	2280
ctctttgaca	aaacttgta	tgttgatcgc	ggtatgtcaa	aatttttaca	ggtttgctca	2340
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accagtaaaa	tattactgta	atttcatata	cacagtctat	acaatgaaat	aatgaatatt	2460
tatcatattg	atacaaaactg	tgacctcagc	ttcagagtgt	cagggcctca	cttgatata	2520
atgtaatgtt	ctcctcaaac	atttatgtta	actctataaa	caaatatcgt	taagttaaac	2580
aagttttcaa	aaacaaaaca	atttttaaag	taccttaaaa	ttgaggatgt	tactcagtgt	2640
taacacatgg	gaacaccaa	atattcaata	agcctgggtca	attctatagt	tatctttttt	2700
gtaccaacac	atgcttttct	gttactgtta	tattatccag	tagaaaatgt	taggatattg	2760
gtgctatata	aaaaaaaaaa	aagacttggt	aagtttttaa	ataacaaaaa	tggctagttg	2820
aatagtattt	tatgtgtaat	tcttccattt	attctgggtt	aattatacaa	ctaagatgaa	2880
atattgaaaa	accctttgtg	aaagtaactt	ttcaagtaaa	tgcacaactt	tagaatttct	2940
acaaataagt	tctttttaa	agtcctttta	ttgtggattg	tgaaatcaaa	atctggagaa	3000
atgcttataa	aatatactac	tagcttttaa	gttttaagaa	agaagaacgt	aagttgtaca	3060
aagatatattg	tactttgaca	aactgaattt	aaataaactt	tatttcctct	caaa	3114

<210> 4728

<211> 1732

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1713)...(608)

<223> similar to gi2088823 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4728

tttttttttt	ttccagtagt	aaacgtcttt	attcttccgt	gacgtcgac	acccaagcca	60
cctcccgcgg	actctccgct	ggcagtccea	cccagtgagg	gtagaggcgg	tggaggggccc	120
acccaaggcc	ggctcttcca	agcaccacaa	atcctctcct	cgcccaggtc	cctttccccc	180
ttcttgccct	tcgtggggac	accttcagag	tccccaaagga	aggctgtgct	gatagcctca	240
ctcaaccag	cttttcaaag	ttctgcagga	ggcaaagggc	aagcccagag	attaggggta	300
gagaccaaag	acaagcggtc	gttaccctta	atatccaagg	ggatggggac	gggagggggc	360
tttttgtaaa	aatgcccctg	aggatataga	ccggcaggca	ggcaggctcg	gaacaaaaca	420
ccctgaacca	gccccgaaga	ctgctgctcc	cagactcctt	tctgcttcag	tggtagatga	480
ggccagggca	gagggttttc	atcatgtagc	tatgaaagga	agcccccac	ccggtcagtc	540
aggcaatgag	gggctgtttg	aagcacaact	ggaaccctc	acaaaggcca	tgtctgtccg	600
aaacttcatg	ttggtgggtg	gctggcgggc	gagcagtgac	tccgtctggt	cttggggtag	660
aggctcatca	tagatgggtg	agatgagccc	caagccattt	ctacggggcc	tcttcagttg	720
cccaaattggc	tgtagcttct	ctccatggta	ccccaatcca	cgcttgcatc	tggggtgttg	780
gccatcacta	tccagggcct	caggcacccc	tgagcacctg	cagcccaggc	cctggccctc	840
agcccagccc	tgcgcgtcca	tcaccttcog	cccaatgccc	ttggtgtggc	gctcaaaggt	900
gcccacctgg	cgttcgatca	cagagccatc	ttcctgtcca	tctcggagtc	tctgttccag	960
acgcatttgg	acagagtctc	gggcatcctt	gtctccacca	tctctgtcat	agtacacact	1020
catgtccaca	tcccagtcac	cggtgtgtct	ttcatcaaaa	tctccttctt	cctcctgcca	1080
gaactgggca	tcagtataaa	acaccaggcc	agagccaccc	ttctcccact	tgagctcaat	1140
ctcctcctca	aagagctgct	cagtggctcg	ctcctgcccg	gtcacgtcct	catgcagcgc	1200
ttcatgccgt	tcccattcct	caccccggtc	atcgtcctca	tctgagttag	actcttcttc	1260
ctcttctctc	cccacttctt	cctcaggctc	tccacagggg	ctggctggta	tatctgccag	1320
gtaggttctc	tggggtattt	cttcaccctc	tgtgtatata	acaagctctt	cctgctccac	1380
agtctctgag	tcctcatact	caaaaggcac	attgccgtag	cgccgggagg	aacctgtctt	1440
ggggaactgg	agctgcagct	gggtgatgat	ccgagggggg	aggcggcagg	cccggatcaa	1500
ctccaaaaag	acccgcaggg	gagtcaccac	attcctctct	ggcatcagca	ctggtggggt	1560
cagctccggc	agttgcttca	ggtcagccag	ggtgaaggct	tcattctctg	ccttccaact	1620
ctgcagttcc	ttccgggtct	tgaagggaaa	ggagcccaga	cctgatgcct	ccgtaggtag	1680
ccgaagtctg	cggatgagac	agcgaccogg	cctcgtgcca	agcttggcgt	aa	1732

<210> 4729

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (865)...(364)

<223> similar to gill151254 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4729

acttgatgcc	ctgttatagc	cacgagggtc	caggacctgg	ctagaagcag	agacaccagg	60
acagaaaaga	cagtgttctg	ctttcatgga	gttcacagaa	gagtcgagga	gagcttcaca	120
tttttcatcc	attcttaaaa	ttgagccagt	ttagccctag	gaggtgggca	ggctctgagg	180

aatcatcaat	caagagaaga	gaacatcgcc	agaaacacca	tgctgcagta	caaaaattct	240
ataaaaatac	ctttttttgag	tcattaacat	aaaatgaaga	aaacagcagc	agccaagaag	300
agagatgttg	aaattttaaga	gaggaagaca	gagaagaaaa	atccactgga	taccttatgt	360
gtaattcacc	aatctgttg	aacacttctg	ccacgtgtga	agagtttttg	cagaccaa	420
ccacatgcct	gaagtgatgc	ccaccaacaa	agacataaaa	attttcaaca	tttcaacagc	480
catgttgga	tcactctgcag	aataccgaaa	aagtgccag	ttggagattt	cataaaaata	540
acaggcaatc	acacacgttg	caggaactgt	gtacagtact	gagaacaccc	caatcttgac	600
catcagtctt	tctaacttgt	ctgtctttgt	cccatccttt	tgaagatttg	accgaatttt	660
gaacaaggcc	accaaactcg	cagcaatgaa	caaagttcca	atgaccaa	aagtaaagag	720
gggagccacc	acgaaccgg	tgagggcacc	gagatttttg	tttccaacat	agcacaagcc	780
agtcagttca	tctgcatcca	ccagtctcat	aatcaagatg	acaatgggtt	tcactggcgg	840
gatggccag	gctgcaatgt	gaaa				864

<210> 4730

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1098)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1061)...(369)

<223> similar to gi2576346 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4730

ttttaaaaaa	aacaaagctt	ttgatcattc	ccttgtcaac	ataattggca	gatctactct	60
caaacacact	taagagtatt	ccacacaaca	tgttcggaat	tcagatttat	tgatttccat	120
cgtattgact	ttaaaaatgg	tatgaagctt	gactgcaagg	aagggaaactg	gtaattttaa	180
gttaaaatta	agctaattgg	gaaagtacat	cacctctggc	ttcagtcacc	acatcacctc	240
agattgaata	tagatttttt	atgaacaaag	ttccagaact	ctgaaatcca	gggatgctgc	300
aggcctctcc	cggcaatgtc	cttcactttg	ggtcagtctc	ctgggccaga	ggtgaaagtg	360
ctttcaaaaa	tactgccatt	tccccagcac	agtgtctttg	attgcatcca	catattgagt	420
tggaaaccag	tacaccag	agtaagaggc	ttccgtgggg	cccaactgaa	acgccatcat	480
gtggtagtct	tcatgtcctt	cgataggttc	actgaccaca	ttttttatgg	agcccatggg	540
caattttctca	gtccgctctt	tagtgccaat	ccacagctgg	tcttgttcta	gtttaaaggt	600
gagtctcact	tttcttcag	atttattgta	catgccggac	agcggtagcg	ttggcaggcg	660
ctcttggggc	cccttaacag	atggcatcac	atcttcagg	tttcctttat	ccaacacttt	720
cctgtgttgt	ttctgcctgc	agagaggctc	cttcttggtc	tcttcggcct	ttgcacctcg	780
ctgcgcagca	tctttgggtg	tggtgactgc	taaaacatca	ttgatgggtg	agccaccccc	840
catgatcttg	gccccgctgg	tcacttttat	ttctctcaat	gttttatcct	cgggggagag	900
tcccttatac	atgactttct	gcatggcagg	cgggagacct	gtaatcgagt	gtatattctg	960
tttcagctcg	gagcctgtgc	tgtccagggg	gaacttctct	ctctctctct	ctctctctct	1020
ctctctctct	ctgtctctca	cctcgtgccg	aattcctgca	ggcgggtgtca	aatnccccnn	1080
gccggcccg	agacatc					1097

<210> 4731  
 <211> 2061  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (161)...(1451)  
 <223> similar to gi289760 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4731

ctcggaccca	cagagccggc	ccctgctgct	gctcgggcag	ctgcaccacc	tgcaccgcgt	60
gccctggagc	cacgtccgcg	ggaagctgca	gccccgggtc	accgaggagc	tctggcaggc	120
tgccctgagc	acgtcacaac	ccaaccccac	ggacagctgt	ccctctacc	tgaactacgc	180
caccgtggct	gccctgccct	gcagggtag	ccggcacaac	agccccctcg	ccgcccactt	240
catcacgcg	ctggtgcgga	cctgcctgcc	gcccggagcg	catcgctgca	ttgtgatggt	300
ctgcgagcag	ccggaggtct	ttgcttcgc	ctgtgccctg	gcccgggcct	tcccgcgtgt	360
cacccaccgc	tcaggtgcct	ctcggcgctt	ggagaagaag	acggtcaccg	tggagttttt	420
cctggtggga	caagacaacg	ggccgggtga	ggtgtccaca	ttgcagtgt	tagcgaatgc	480
cacagacggc	gtgcggctag	cagcccgcct	cgtggacaca	ccctgcaatg	agatgaacac	540
cgacaccttc	ctcgaaggaga	ttaacaaagt	tggaaaggag	ctggggatca	tcccaaccat	600
catccgggat	gtggaactga	agacgagagg	atttggagga	atctatgggg	ttggcaaagc	660
cgccctgcat	ccccagccc	tggccgtcct	cagccacacc	ccagatggag	ccacgcagac	720
catcgctgg	gtgggcaaag	gcatcgtcta	tgacactgga	ggcctcagca	tcaaagggaa	780
gactaccatg	ccggggatga	agcgagactg	cggggggtgt	gcggccgtcc	tgggggcctt	840
cagagccgca	atcaagcagg	gtttcaaaga	caacctccac	gctgtgttct	gcttggctga	900
gaactcgggt	gggcccgaat	cgacaaggcc	agatgacatc	cacctgctgt	actcagggaa	960
gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcgtgtc	1020
ctatgcttgc	aaggacctgg	gggccgacat	catcctggac	atggccaccc	tgaccggggc	1080
tcagggcatt	gccacaggga	agtaccacgc	cgcggtgtct	accaacagcg	ctgagtggga	1140
ggccgcctgt	gtgaaggcgg	gcaggaagtg	tggggacctg	gtgcacccgc	tgggtctactg	1200
ccccgagctg	cacttcagcg	agttcacctc	agctgtggcg	gacatgaaga	actcagtggc	1260
ggaccgagac	aacagcccca	gtcctgtgct	tggcctcttc	atgcctcac	acatcggtct	1320
cgactggccc	ggagtctggg	tccacctgga	cattgctgca	ccggtgcatg	ctggtgagcg	1380
agccacaggc	ttcgggtgtg	ccctcctgct	ggcgctcttc	ggccgtgcct	ctgaggaccc	1440
tctgctgaac	ctggtgtccc	cactgggctg	tgaggtggat	gtcaggagg	gggacgtggg	1500
gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcggccctg	acaaacgggg	1560
atcttttacc	tcactttgca	ctgattaatt	ttaagcaatt	gaaagattgc	ccttcatatg	1620
ggttttgggt	tgtctttctg	gtcgtcagcg	tgggtggtgga	aacagctgaa	gttttaggag	1680
acagcttagg	gtttggtgcg	ggccacgggg	aggggaccgg	gaagcgctgg	ggcttgtttc	1740
tgttttgttac	ttacaggact	gagacatctt	ctgtaaactg	ctacccttgg	ggccttctgc	1800
accccggggt	gaggctcctc	gcctgcctgg	tgcctgtccc	cagccccagg	tcctgtgcag	1860
ggcacctgcy	tggctgacag	ccaggctctt	actccagccg	gggctgccag	cgcattccagc	1920
cagcccagcc	ctgtgaaaga	tggagctgac	ttgctgcagg	ggacctgatt	tatagggcaa	1980
gagaagtcac	actccggcct	ctcagaattc	acttgagggt	caattaaata	cagtcacacc	2040
gccccctcaa	aaaaaaaaaa	a				2061

<210> 4732  
 <211> 2247  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(378)  
 <223> similar to gi4753706 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4732

ttggtaaact	gcttttaggg	atactggctg	acttcaagtg	gattaatacc	ttgtatcttt	60
atgttgctac	cttaatcatc	atgggcctag	ccttggtgtg	aattccattt	gccaaaagct	120
atgtcacatt	ggcgttgctt	tctgggatcc	tagggtttct	tactggtaat	tggtccatct	180
ttccatatgt	gaccaagaa	actgtgggaa	ttgaaaaatt	agcccatgcc	tatgggatat	240
taatgttctt	tgctggactt	ggaaatagcc	taggaccacc	catcgttggt	tggttttatg	300
actggacca	gacctatgat	attgcatttt	atttttagtg	cttctgcgtc	ctgctgggag	360
gttttattct	gctgctggca	gccttgccct	cctgggatac	atgcaacaag	caactcccca	420
agccagctcc	aacaactttc	ttgtacaaag	ttgcctctaa	tgtttagaag	aatattggaa	480
gacactatct	ttgctatttt	ataccatata	gcaacgatat	tttaacagat	tctcaagcaa	540
attttctaga	gtcaagacta	ttttctcata	gcaaaatttc	acaatgactg	actctgaatg	600
aattattttt	ttttatata	cctatttttt	atgtagtgta	tgctagcct	ctatctcgta	660
tttttttcta	tttctcctcc	ccacaccatc	aatgggacta	ttctgttttg	ctgttattca	720
ctagttctta	acattgtaaa	aagtttgacc	agcctcagaa	ggctttctct	gtgtaaagaa	780
gtataatttc	tctgccgact	ccatttaatc	cactgcaagg	cacctagaga	gactgctcct	840
attttaaaag	tgatgcaagc	atcatgataa	gatatgtgtg	aagcccacta	ggaaataaat	900
cattctcttc	tctatgtttg	acttgctagt	aaacagaaga	cttcaagcca	gccaggaaat	960
taaagtggcg	actaaaacag	ccttaagaat	tgcagtggag	caaattgggc	attttttaa	1020
aaaatatatt	ttaacctaca	gtcaccagtt	ttcattattc	tatttacctc	actgaagtac	1080
tcgcatgttg	tttggtagcc	actgagcaac	tgtttcagtt	cctaagggtat	ttgctgagat	1140
gtgggtgaac	tccaaatgga	gaagtagtca	ctgtagactt	tcttcatggt	tgaccactcc	1200
aaccttgctc	acttttgctt	cctggccatc	cactcagctg	atgtttcctg	ggaagagcta	1260
attttacctg	tttccaaatt	ggaaacacat	ttctcaatca	ttccgttctg	gcaaattgga	1320
aacatccatt	tgctttgggc	acagtgggga	tgggctgcaa	gttcttgcat	atcctcccag	1380
tgaagcattt	atttgctact	atcagatttt	accactatca	aatataattc	aagggcagaa	1440
ttaaactgta	gtgtgtgtgt	gtgtgtgtgt	gtgtgctatg	catgctctaa	gtctgcatgg	1500
gatatgggaa	tggaaaagg	caataagaaa	ttaataacct	tatgcagggt	catttaacct	1560
taagaaaaat	gtccttggga	taaactccaa	tgtttaatac	attgattttt	tttctaaaga	1620
aatgggtttt	aaactttggt	atgcatcaga	attccctata	gatctttttg	aaaatatagg	1680
tacctgggta	tcacacatag	aacttttaat	tctgctgggt	taggctgttg	cccaaaccatc	1740
tataatttta	ctgagctctt	caagtgattc	tgataacaca	gcctggattg	agaattttta	1800
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ggtcagggga	ttttataaac	caatagccaa	gtgttcttta	aataggaggc	acccttccca	1920
ttgtgccaaa	atcatctttt	catttatttt	gaaatttgta	tgattatttt	atacttgat	1980
gttgcccttc	ttcgaaggcg	cctgaagcac	tttataaaca	caaatcctca	caatacctct	2040
gtgaggtagg	taaatagtag	ttttctatgt	agtaaacctg	gaatatggag	aatttcataa	2100
cagttcattc	tacttaataa	tgcaataatg	gagctccaag	ttgtcttgga	cttctacacc	2160
acactcagac	ttctggaaa	ttttctgtac	ctcattcttt	agtcctgtc	aagggttagta	2220
aataaaataa	gtgacataaa	aaaaaaa				2247

<210> 4733  
 <211> 2365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (40)...(992)  
 <223> similar to gi3328106 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4733

gcgggggtctg	aagcccattt	gaaggtcagg	aggccccgagt	tgctggcggt	gatcaaactg	60
ctgaacgaga	aggagcagga	gctgcgggag	actgagcact	tgctgcacga	tgagaatgaa	120
gatttaagga	aacttgcaga	gaatgaaatc	actttgtgtc	aaaaagaaat	aactcagctg	180
aagcatcaga	ttatcttact	tttggttccc	tcagaagaaa	cagatgaaaa	tgatttgatc	240
ctggaagtaa	ctgcaggagt	tggaggtcag	gaggcaatgt	tgtttacatc	agagatattt	300
gatatgtatc	agcaatatgc	tgcatTTaaa	agatggcatt	ttgaaaccct	ggaatatTTt	360
ccaagtgaac	taggtggcct	tagacatgca	tctgccagca	ttgggggttc	agaagcctat	420
aggcacatga	aatttgaagg	aggtgttcac	agagtacaaa	gagtgccaaa	gacagaaaag	480
caaggccgcg	tccatactag	caccatgact	gtagcaatat	taccccgagc	tactgagatt	540
aatctggtga	ttaatccgaa	agatttgaga	attgacacta	agcgagccag	tggagctggg	600
gggcagcatg	taaataccac	ggacagtgtc	gtccggatag	ttcatcttcc	aacaggtgtt	660
gtttctgaat	gtcaacaaga	gagatctcag	ctgaaaaata	aagagctggc	tatgacaaag	720
ttacgtgcaa	aactgtacag	catgcattca	gaagaagaaa	taaataaaag	acagaatgct	780
agaaaaattc	agatttgaag	taaaggaaga	tcagagaaaa	taagaacata	taattttcca	840
cagaaccggg	tcacagatca	cagaataaac	aagacgctgc	atgatcttga	aacttttatg	900
caaggagatt	atctactgga	tgaacttgta	cagtcattga	aggaatacgc	cgattatgaa	960
tctttagtag	aaattatttc	ccaaaaagtt	taagttgatt	tgttatttat	agactttcgt	1020
agcttagaaa	aattctacag	tacatccaca	tagggtgaaa	gtacccttac	tctcttgaaa	1080
aacgttgagt	taacacagtt	ggaggtaata	tgcattattc	gaagtcatag	ataatttaca	1140
cagatctctc	tcaatgcatt	agcaaaaatc	atacaatata	cagatgggtcc	tcgatttaca	1200
ttgtggttaa	ttcccaataa	acccatcata	agttaaaaat	gcatataacg	ttagcaacac	1260
agcagtctcc	taattaatga	cagcttgact	taacaatttt	ccaactttac	catgggtgtga	1320
aagaggatatg	attcctaagc	cctaaggagc	tcctcagctt	gaaatggggc	tgcatcccta	1380
taaaccctac	ataaagtcaa	aaaatcctaa	aacataagtt	ggtgaccatc	tgtaatcatg	1440
atgtggtggt	aaatcttggg	cgctacctta	caataactag	acaaaggaaa	atcatccttt	1500
gtcctgttct	gtgtaaatat	ttaatgaatg	atcaaaaactt	cagttttaat	attatgaaaa	1560
actttaaaca	taaagtagta	gaaataagac	agtaaatact	gtatcctaata	atccagtcag	1620
gatacagaaa	ccataaccatt	aacttgaaca	gggataattt	taatataaaa	aactgttaac	1680
tgataatggt	attaactttt	aagaggggatg	aaagagagct	atgatgtcct	aggactgaga	1740
gtaccccgag	aaagaatacc	cttgaaaggg	tctccccctc	cccatgggtga	agtcaggcct	1800
aatggagaga	gtggctacag	cctactcagt	gattgggaaa	ttccctgtct	tgccctgggc	1860
cagagctcgt	gtaccgctgg	tggatcaggt	cttacaagca	aagaacctca	cactcccaac	1920
tggttaagcca	gaagcctctt	gctaggggtg	gagcaaaact	tggacaggaa	ctctcagtag	1980
atgttttgtg	ttgtcaagat	tctccagaca	aacttcctta	aaaggattgg	cttgtgttgt	2040
tattattaag	tctaacaagt	ccaaaagctg	gagtggtgagg	caggaggctg	gaaacccagg	2100
aaagctgatg	gtgcaaggtc	cagtccaag	gtatctgttg	gaggattctc	ttgttctggg	2160
aagaggacgg	tctttttttc	tcttcagacc	ttcacctgac	tggatcaagc	ccactaacat	2220
cgaggaggac	agtctgcatt	actcagagtt	cactgattga	tttaaattgtc	aatctcatat	2280
aaaacaccct	cacagaaaca	cctagaataa	tgtttgacct	tataattgga	aaatcagagc	2340





aactcggggt	ttagggttga	cagtaaaatg	aagaaagagg	tttaccactt	cacgatctga	2220
caaaattcca	gattgagcag	gacctgctgc	aaattcctca	attgtcatca	gtgggaaccg	2280
gattaaggaa	agtgcctttc	ctagaacttt	ttgtttatcc	ccaaaagtca	caggtaattg	2340
ttgtctctga	cattctgctt	ctgcccagcg	tacaacagct	ccaaaaagtc	gactttctcg	2400
aatactgagt	gtgtctctct	ctaaaactgc	acagagtgtg	tctataggca	aaatacaaaa	2460
taaaccaaat	tagaaatatt	ttagctctct	aaccaagcaa	taccaacaga	cacacttata	2520
ttaagttttc	agatctcaac	aaaaaat				2547

<210> 4735

<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (309)...(461)

<223> similar to gi4455015 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4735

ctatgaaatt	aaataaacat	aattactagg	tccttaagga	atgaatttta	tttttgtggt	60
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aaggtctgaa	gttgattcta	tcgtcaaaga	aaatatttca	gtataaagca	tgtagtttat	180
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<210> 4736

<211> 6986

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2538)

<223> similar to gi3413876 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4736

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<210> 4737

<211> 1364

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(1367)

<223> similar to gi2996640 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4737

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tggaatctgg	ggctatgcct	tggtccttgc	tgacgcatat	agatgagaga	gacagagctg	180
gcctccttcc	cgcgcttttc	aaagttctat	ctgttggggc	aggagggtca	cctaggctgc	240
agccagactc	cagagctttg	cactacatga	agaagctcta	taagacatat	gctaccaagg	300
aagggattcc	taaatccaat	agaagtcacc	tctacaacac	tggtcggctc	ttcacccctt	360
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tgctatttaa	cctggatcgc	attactactg	ttgaacactt	actcaagtca	gtcttgctgt	480
acaatatcaa	caactcagtt	tctttttcct	ctgctgtcaa	atgtgtgtgc	aatctaata	540
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ccatggtaca	gaacatcatc	tatgagaagc	tggactcctc	agtgccaaaga	ccgtcatgtg	1260
tacctgccaa	atacagcccc	ttgagtgttt	tgaccattga	gcccgatggc	tcaattgcct	1320
ataaagagta	cgaagatatg	atagctacaa	agtgcacctg	tcgt		1364

<210> 4738  
 <211> 1556  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1557)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1)...(1041)  
 <223> similar to gi2865252 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4738

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gcccttttag	ctacattagc	tctgctctgg	tatcatactg	tagtccgccc	gttttttgcc	180
ttggatggca	gtgataacaa	ggcaggcctg	gatgaagcta	aggaaattct	ccttaaaaaa	240
gaagctgctt	atccaaattc	ttccctcttt	atgtttttca	agggacggat	acaacgacta	300
gagtgtcaaa	tcaacagtgc	cttgacatct	ttccacactg	ctttggaact	tgcagtagac	360
cagagagaaa	ttcaacatgt	ctgtctgtat	gaaattgggt	ggtgcagcat	gatagagctc	420
aatttcaagg	atgcatttga	ttcctttgag	aggctaaaaa	atgagtccag	gtggtcccag	480
tgctattatg	cctacttgac	tgcagtttgt	cagggagcca	ctggtgatgt	ggatggggca	540
cagattgtct	ttaaagaagt	tcagaaactc	ttcaaaagga	aaaacaatca	gattgaacag	600
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aataaaatca	aacggaacat	ccaacccaag	atcctgtagg	aacacctacc	ttaagcacat	1440
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<210> 4739  
 <211> 2150  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1188)  
 <223> similar to gi5689766 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4739

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ctctacaagg	aggtgatgct	ggagaactat	aacagcattg	tgctattggg	ccttccagtt	180
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caaaagtctc	tgtgtcctaa	atttgaagtt	catacaccca	atggcaggat	gggaacagaa	420
aagcaaagcc	cttcagggga	gactcgtaag	aaatccctct	cccgggacaa	aggcttgccg	480
cgacggtcag	ccctgtccag	ggaaattctc	actaaagaga	gacaccagga	atgcagtga	540
tgtgggaaga	ccttttttga	ccactcatcc	ctcacccgcc	atcagaggac	tcacactggg	600
gagaagccct	acgactgccg	cgagtgtggg	aaagccttca	gccacaggag	cagcctcagc	660
agacatctga	tgctcacacac	tggggagagc	ccctacgagt	gcagtgtgtg	ctcaaaagcc	720
ttctttgacc	gttcgtccct	aactgtccat	cagcgaattc	acactggaga	gaaacccttt	780
cagtgcacag	agtgtggaaa	agcctttttt	gaccgttcat	cccttactcg	acaccagaga	840
attcacactg	gagaaagtcc	ttatgaatgt	catcagtgtg	ggaaagcctt	tagccagaaa	900
agtattctta	ctcgccatca	gctaattccac	actggcagga	agccttatga	gtgtaacgag	960
tgcgggaaaag	ctttctatgg	tgtctcgtct	ctgaatagac	atcagaaaagc	tcagtctggg	1020
gaccctcgct	atcagtgtaa	cgagtgtggc	aaagctttct	ttgaccgctc	atcccttaca	1080
cagcatcaga	agatccacac	tggagacaag	ccatatgaat	gcagcgaatg	cgggaaagcc	1140
tttagccagc	ggtgccggct	cacgcggcat	cagcgtgtcc	acacgggaga	gaagcccttt	1200
gaatgcactg	tgtgtgggaa	agttttcagt	tcaaaatctt	ctgttattca	acatcaacgg	1260
cgttacgcca	aacagggaat	agactgagtt	gggcaaaagc	ttgggtagga	caagaacttc	1320
catacaaatt	tgagatagat	ctcgccctgtc	ttaaagctgc	catttgctca	ttctaccac	1380
tctggctgcc	gttgtcctgt	cctgcttctg	cgccagagtg	tttaataagc	actcccttcc	1440
tgctgtgtta	cagaactgta	ggggaggcca	tggaaatgac	tctaaagata	caaaattttg	1500
aagagggtttg	tcagacaata	ggatagatgt	taggaggaga	cacacctctt	gtctgagaac	1560
ctaggcccca	ggtatcactg	cactttaaga	aactggaggc	tgcaacagga	gggaaaggca	1620
gaatgatatc	acagcagtac	tatttttttt	tttcaaaaca	tttgttttga	tggctgttag	1680
tccccctctc	ttggagcatt	ttggggcact	aatcttgttc	tcttgtgtcc	cagcttttag	1740
acctcttact	tccactgcta	gtagctagca	cttactgagc	acctgcaatg	aggtaaagac	1800
tcagctaagg	gtttttacagg	aagtagatta	attgatcctg	tcaccaacca	tatgaagtag	1860
gcactgttac	catctgcatc	tccagatgag	caccctgagg	tttagagaga	ttaaatcact	1920
tgcccaaggg	tgaaccagct	ggtaaaaggt	gatgccaggt	cttgaagaca	gggccacctt	1980
caaaatctat	tctctttacc	attatgctcg	atggtttgtt	tgttttataa	tttatgtata	2040
tgtattatcc	tctcaactag	attgtaagca	cttggagggtg	tgacttacag	gtctttgtat	2100
ctcacacagt	gccttgctaa	taggtgctca	ataaatattt	atatgagtga		2150

<210> 4740  
 <211> 1011  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1012)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1011)...(308)  
 <223> similar to gi517115 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4740

tttttttttt	ttatgttaat	ttttcggtta	ttttattttt	gaaaaatatt	tcccaaaaga	60
ggtaaggaat	atgatgtagg	cataggggta	tccaagggag	agaatacagt	cacgggttct	120
aaccggccag	taaaccctct	tcttcacccc	tctttcctgc	ttatcactag	agacagaaat	180
gaaaaacat	ggcttcaggc	tgctaaaagc	ctaaaacaaa	acaaagtaga	gaaacaacaa	240
caacaacaac	aacaacaacg	ataacaacaa	caaaataagg	ctgttgggac	aaggcaagct	300
ggtcagccaa	atcctctgtt	gttggtgatg	gcttcttgaa	gcgcttcttc	aactgtttcc	360
attgtagaat	atttagggag	gaagaggaca	ctgaaacatg	tcagtgcctt	tatagggctt	420
ctttcattcc	aactttcagg	acagcaaaat	gttattttca	tattatttaa	atctttcatt	480
tgtagtctgt	cagttcctgt	aagaaatata	aggaattttt	tcttttcttc	cagagtcaat	540
ttgtggaaag	ccttccaaaa	catcactatg	gtgggatgtg	aactgttata	tcctgggttc	600
taacgtgcat	tcttttcaaa	tgttttccaa	tcataatctg	tatttccaac	aatcacatcc	660
ttcagttctt	cggggtggaa	taatttgata	atgtcttcgt	cgcacatttt	ataaaatcct	720
ctccgaaatt	cttcataaac	cgcctttaca	gagtcgttga	aaatgtaatt	gatatactta	780
gaaactagtg	ctctcttggt	agtctgggtg	acagttatgc	tacttccatt	aggaattaag	840
tttgtgtcgt	ttctgtccca	gtgcacatta	caatggatgt	aaaatacttc	ctcaaagtta	900
tcaccttcat	catccagaag	tgtttgcaaa	ttctttccca	actcaggaat	gagttcttga	960
ntttcgccac	ggttatctat	gatctcgatt	tnnngctccc	ctggccatcc	t	1011

<210> 4741  
 <211> 2255  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2258)...(1503)  
 <223> similar to gi5441944 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4741

taagtccact	gaataaaaaac	tatgaaattg	cactctgtgt	caaccatcca	ctaggataga	60
ataccgaaat	ctgtgcatgc	aaaaatagga	gatggggcca	tttgacacac	attcgtagtt	120
atgcagtctg	ctatatataat	atgttcacat	gcactgtgtg	tatgaaaata	gatgggtctgt	180
gttcagacaa	aagtaaaaaca	tttttttcaa	attgttatat	ttaaagggtt	tctggggagaa	240
atztatgaaa	cgcaggctgt	gtctatttga	catcagaaat	ttccacttta	aacccaaaata	300



ataagaaact	ttaatctgta	tattttacaac	ctttgttgag	tacacttccc	ccttattttat	360
acgtctgcat	ttccttcgga	gcttcacatc	tttctaaaaat	gcagcttggt	ttttaaataa	420
aagaacattc	attttgtgat	tctaaacaag	cttcagtaaa	taccaccagt	atagtactgg	480
tgaatttctc	agcataaaaat	cgacatacct	aaaaagttaa	taaaattcag	ctcttttcca	540
atttcattgt	tatgcctatt	gaagtattaa	ttgccagggt	tgatttttag	tgaagcttgg	600
agtcataact	ttgagcagac	caagtgaagg	gaagaacaga	aagaaactca	ggagtagagt	660
aatatcactt	ctcacttaca	ccactttcag	gcacatccaa	agagttccta	gatacttgga	720
aaatgtctga	aaatttttaa	gtaaaatact	aaacttttca	gtgttttagct	caactttttg	780
ttcatttgga	agttttctct	catccgagga	cttaagccag	ttttggattt	gtaagccctg	840
agtacaatac	acttctctgga	ggcatcctca	ctgctgttga	agcaaaggat	atgcatgggg	900
tggaaggacg	gcttcgaacc	tgggactcat	atgccttgag	aacaaataga	ttgttacagc	960
cttgggctgc	tgcgtaatca	cagttctctg	aggctcttcc	tgagcacatg	cccaagcatc	1020
tgctcttgga	gagactgact	ccaaatgcag	gtgcttccat	tggagctagg	tggaggctg	1080
ctttatatga	cgaactccag	aaatggatgc	cagaatacgg	aggccaaacg	ttctgagtcc	1140
tggactgaac	agcacctact	tgtggtctgg	acagcttaac	ccagagttcc	tggagaata	1200
aatgctgtta	gcatctgggt	aatttactgg	cagacagaag	cctacttaca	gtggctttca	1260
actttttgac	cacatcttta	ctgtggaatc	tcacaaaga	cttgaagca	ggggtggtga	1320
gaggggcctg	gggctgtgtg	tggagggtcg	agttctttgt	cgtcccacag	tcacccccag	1380
gaccaccttg	cgaagccgaa	aatacacatc	tgcattttac	cgacaaggaa	cgccactcag	1440
aaagctgcag	acatttgcct	gaggtcacgc	ttacagtggg	cagatgaact	ggatgtaa	1500
acaggagcgg	cagagaggac	aggcatggaa	aggaggcctg	tctcccacgg	agaactcctc	1560
tagtgccagc	agacacgcat	ggtggaacac	atgtgagcag	gacaggaggg	ccatctctct	1620
ggaacgctg	cctgcaccca	cgcgctgacc	gccagcagcg	gagagagggg	ccaggcagat	1680
ggagcactcg	tgggtctccc	ggcgagagc	ctgcacttgg	attttctccc	attcctcttc	1740
tgtgatctca	tggccacatt	tttcttccaa	ctgctgaaga	acacttcgat	ttatggccaa	1800
gcactgatcg	atttctgcaa	agagctcttc	aatgttggtg	ttgtatgagc	acaggatgcg	1860
gtggctgatt	tctgtgaact	ttttttcaaa	gaattttttt	cttaacttgg	catctgtggg	1920
aggtactggt	ttcctcaggt	ttctgtacca	ctttctaaca	acacatcctc	tccagtaggc	1980
ttggattctg	gtcacacact	tgattctgaa	caggcgggcc	ccatcgtgta	tcactcgggt	2040
ttgatactgg	ttctttctac	agagaggaca	ggttttctta	tttgtgaact	tttcaaaagc	2100
ctgaagacat	gctttgtgga	acacatggga	gcatgaaagc	agcacctgag	gacgaagctc	2160
gaattcttct	ttacagatgg	ggcatggttg	cacggagtcc	ccttgcagga	gagagcgctg	2220
tttcaccttc	tcccattcat	ctgatgacag	tggag			2255

<210> 4742

<211> 931

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(193)

<223> similar to gi3878503 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4742

tctcctgggg	cgggggcagg	catggacagc	tgggccatgg	gaccctggag	gcagagctgg	60
agccacggct	gttgaggcgg	ttgcagggcc	tagtcatggc	tgaggtggcc	gcggggggct	120
ggcattctgt	gtgtgtgagt	gagactgggg	atatttatat	ctggggctgg	aatgaatcag	180
ggcagctggc	cctgcccacc	aggaacctgg	cagaggatgg	agagactgtc	gcaaggggaag	240

ccacagaact	gaatgaagat	ggttctcagg	tgaagagaac	gggtggggct	gaggatggag	300
ccccgcccc	cttcatagct	gtccagccct	tcccggcatt	actggatctc	cccatgggct	360
cagatgcagt	caaggccagc	tgtggatccc	ggcacacagc	tgtggtgaca	cgtgagtggg	420
gctgggaggc	actccgctcc	actcgagctg	gtgcctacgg	aagggggtgt	ggtcgacgga	480
aaaacttctg	tcttaaggct	tctgtggctc	atacagagca	gctaccttgc	tcagtggata	540
agccccaacc	cccgtgttgt	ttcacagtag	ttccccagcc	tgtcaggccc	agaagtttct	600
tccttctggt	gggaggctga	tgttttctgt	cctccctgca	cggccacaga	cacattccct	660
gcccgcgcgc	gcctctgaca	gcagggactg	tccagtctgg	catggaagac	tgcggcgctc	720
ggtagcatgg	cacacaggaa	gaccgcgcac	ttttccctc	gggatcctct	gccatgccac	780
gtgtgatcag	ccagttgtta	agagaatatg	ttgttccatg	ccaggcagat	ctcatgagga	840
ttgtaatatg	ctagctgtgg	gctatgccaa	gctgggctgg	acagatgcct	tgccaaagaa	900
ccgtagtgc	aactatcgat	tgtccttttg	g			931

<210> 4743

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(998)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (773)...(184)

<223> similar to gi4929823 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4743

ttttgtgaga	cgaccacttt	attaaatcac	cagggggttca	aaacatttga	aaagaaaact	60
atgactggga	aattactggg	gtgtgtccga	caccggggct	ttgggtgggt	taagggtttg	120
ctttgaagct	caccgagaac	ttcaacatgg	gcttttcccg	gggcctcagg	aggcaaattg	180
agctggggaa	accccgagc	cgaaggcgg	tactcccc	gtcggggacg	atggtgagcc	240
tggcgtgagt	gatgacatct	tggagctcta	gggtcaggct	atcgaacaga	tgactttggt	300
tgggagacaa	cttggtcact	ggaagcagtg	gtttccactt	gtgggcccgg	agaatccact	360
tttgctgat	cacggcttct	tcctgagttg	tcaggatgca	cccatccact	ttacagctgt	420
caggagcatt	gccttcaaaa	tattttgtgt	caatttcaat	tcgagttatt	actccaggat	480
gtgccaatcg	gaaaactgcc	cattcacaac	ccggaaccaa	gagaatgcca	ttctcatcat	540
tttctaatat	tgggtggccg	tccagccttc	ttgcagtttc	ccaaccatcc	gccatagact	600
ttgccccgcc	aactcctatt	atattgtttg	ggtgcccata	cttagcatta	ctaaatccta	660
cacagacacc	cccaaaagcg	atggccacta	ggtctgcagg	ttctttgggg	tcagttgcag	720
tccagtcttt	ttgtccagta	ccgaatacta	taagtctgtc	aattccacca	tctgtgttgt	780
tcacttctgt	accactcttg	tatcgtctct	acctagaaga	ggtctgggca	catagttagc	840
attgaagttt	ttttcattaa	atgaacaact	ccaaggtcaa	acagcattcg	ggaaattcac	900
catacagata	atgtttctgt	ctagaaataa	gcacgtctga	ctccacaca	gacgaattcc	960
acggcatatg	cgcngctaac	tgggtnnann	acccgcc			997

<210> 4744  
 <211> 1986  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1249)...(982)  
 <223> similar to gi1770742 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4744

gggattccaa	ctcgggactc	cccgcttctg	gggagaccgg	tgaggccccc	gcgacatggc	60
cctcccatcc	ccaagcctct	cgtgcagatc	tccgctctgt	gggacttgat	tgcgggctgc	120
gggcccgtgg	ctcctgcagg	cagagagagg	acgggagagg	agacggctac	gaggcttggc	180
cgcaggtagc	tacggtgctc	ccccaaacaag	gaaccggaaa	ccctcttcgt	ttgttgatct	240
aaatatacaa	aaataaaact	agttgctggg	ttctcagacg	gagtctctgc	ggcattagga	300
ggcccaccct	tattttctct	tttcttcacg	caggaatcag	gtccctgggc	ctggggggcg	360
gcaaaaggag	atggcggtgg	gtcaagtggg	cgcgcaggct	cagacctggg	gcttctgagc	420
ccacgcccag	gcctctcgga	cctctcactt	ctgaggccac	ctcctgccct	ttagaatgaa	480
gggtggcac	agttctgcca	ggatgcacgt	ttagcgactt	ctgtcagact	gaagcatccc	540
ctcgccgcaa	gcgcctgaag	tgtgagaggc	actgttctaa	gtgctttaat	ttgcacttgt	600
ttaatcctca	caggagtcaa	cttgaatggg	cacacttatt	cccactttac	agaagaggaa	660
actggggcac	agaaagactg	agtaattgct	cagggggcat	gtcccaagaa	agagggagag	720
acaggatttg	gaccagaca	ggctggctcc	ctagtgtctc	ggactttggt	gtggatgac	780
caactcaagc	cttctccttt	ttccctccta	tgtgatcttg	catgcttttg	tgcagagaat	840
gagaaggcag	atcaaagtta	cagatgctgc	gagaacatcg	ccaagcagaa	tcttgggtgc	900
tgtccccacc	tctctgtacc	tgtccctcc	cagagaagcc	agcctccact	tgtgtccccg	960
ggccttctct	atctgagaaa	agttgaagga	gcacatgtcc	ttgcgcagga	agaggtgtt	1020
cagcgtgacc	gccccgatca	agaagaagag	ctgcttcacc	gcctgcctca	caagctcggg	1080
gtccaggccg	ttctggcaca	tggtggtgta	aaagtagctc	agctgttgca	ggacggaggt	1140
catggtgtag	ccgtccgtgt	cgtctatgct	agaggagcgc	ttccggaagc	ctgtgggctt	1200
caggccggaa	atgccctgca	ggctctcata	ctccagcatt	cccggaactg	cggagagaca	1260
gggaggctgt	gctgacacgc	caggagacac	acgcggaacg	ttcccgcgc	tcttcggttt	1320
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caaaagaatc	aaggggtttg	gacaccaggg	tgtgtgtcag	ggttagggat	ggacggctgt	1440
ttccagcggg	gctgcagctc	ctcttgtagg	tttgaagcag	cacgtttttc	agcttcacag	1500
gaaagaaaagc	tgcttagcat	gacaaatcat	ggcctgggca	ttaaagccta	aagtatttaa	1560
atttcaggaa	attaaggaaa	gtatacaaga	attcgaatgg	ggcttttagga	tttcaaaaat	1620
acttggttac	gccaagaagt	agaagtacca	cataaatagc	agtagtagaa	gtttcccaa	1680
gttttttctc	tcaggataaa	tcctccttat	ataaaagaaa	ctaccaacag	cgtactatta	1740
tttatggaa	cattataagc	aagcaaagaa	ttaaaaggca	gatattctaca	tgattatatt	1800
tccttggctt	tttaaacaat	gttacacata	atcacacatt	acacatacca	agtttatgtt	1860
ttaaaaggtc	ttaatgttac	tataaatatt	ttttggtcat	ccattctctt	cttacctatt	1920
atcggttggg	tattcttttc	cattaggata	ataaaaagat	gatattattcg	tatagccaca	1980
tgtatt						1986

<210> 4745

<211> 3870  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3871)...(3673)  
 <223> similar to gil90261 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4745

gacattagtc	cgtgtggttg	aattgccta	gtgtggggct	gaggggtg	gtcgctatgg	60
cggtggacat	cacgctgcta	ttccgggcca	gcgtcaagac	cgtgaagacg	cggaacaagg	120
cgctgggagt	ggcgggtggc	ggcggggtcg	atggcagccg	ggacgagctg	ttccgccgga	180
gcccccgcc	caagggcgac	ttctccagcc	gggcccgcga	agtgatttct	cacattggca	240
aactgagaga	ttttcttctg	gaacacagga	aagattatat	taatgcttat	agccatacca	300
tgtctgaata	tgggaggatg	acagacacag	aacgagacca	gatagaccag	gatgcccaga	360
tattcatgag	gacctgttca	gaagcaattc	agcaactacg	aacagaagct	cacaaggaga	420
tacattccca	gcaagtgaag	gagcacagga	ccgctgtttt	ggatttcatt	gaagattact	480
tgaaaagagt	atgtaaactt	tactcagaac	agagagccat	ccgagttaaa	agagtgggtg	540
ataagaaaag	attatctaag	ctggaaccag	aaccaaatac	aaagacaaga	gaatccacat	600
cttctgagaa	agtttcacag	agtccttcaa	aagactctga	agaaaacctt	gccactgaag	660
aacgtccaga	aaaaattttg	gctgaaacac	aacctgaatt	gggaacgtgg	ggagatggca	720
aaggcgaaga	tgagttatcc	ccagaagaaa	tacaaatgtt	tgaacaggaa	aatcagcgac	780
taatttggtg	aatgaacagc	ttgtttgatg	aagtgaaggca	aatcgaaggg	agagtgggtg	840
agatttccag	actccaagag	atattcacgg	aaaaggtttt	gcaacaggaa	gctgagattg	900
acagcattca	ccagttagtt	gtggggggcaa	ctgaaaatat	caaggaaggc	aacgaagaca	960
taagagaggc	cattaaaaac	aacgctggct	tccgcgtgtg	gatoctcttc	ttcctcgtga	1020
tgtgtcctt	ctccttgctc	ttcctcgact	ggtagcacag	ctagccaggg	ccacgggggc	1080
ccagcacgag	agtcctcatg	ggcactcaca	gactgcgtgc	tttcatgtac	ttccagtgtc	1140
ggagcatggt	atgaccagat	tttatcacag	tgccatttga	agggaaggga	gttcagacag	1200
acagacgtat	tccccaaaaa	gggatacccc	aggccgatgg	tgttcagcca	tttagcagct	1260
gaaaaaggaa	acagtgcaca	ccaatgggag	gcagcctgcg	tagccctcat	caggcaagac	1320
agactgaatg	caggagtggg	tgattagctg	ctccttgaac	ttgaggctgc	cttggcagca	1380
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gattatagaa	gagaaaattc	acatctgcct	tgtaaatcta	ataaatataa	ttacagcccc	1620
ttaatgtgtt	gtcaatgagt	ctaagttgac	aaattcagtg	gcagcccagc	cacctcctat	1680
caatcaatca	gggaagaaat	gcaggggaga	ctggggccct	cagtgagggg	ctgcctggca	1740
ttactcctcc	aaagactgct	gccccagag	caggcagggg	gtgtgggagg	gccagtttcc	1800
cgccactggg	tccaaggagc	ctttgttcaa	agggaagaagt	gggccacgga	agaacggggc	1860
tgcttctctc	gtgcctgtgc	ttctgacctc	caggaaactgt	aaacaggaa	acctatgtgt	1920
aactgaaggg	atgagacatc	tgtacaggaa	gcaccccagc	gcccacatgg	gcatgagaca	1980
gtctgcactg	cgctgggtga	aatgcgtgtg	tgtacagaca	gtccactggg	cagcacaggt	2040
atcctcatgt	tctttatttg	cacagagtga	aatgtcagaa	gttacatgta	aatgaattca	2100
cagtcaataa	agtccacgtc	tacctggaaa	taccaggctc	ggcctctgca	ctgtgcgcac	2160
acgggcttca	cttgtgtcta	tttcagatgc	gcaggggaagc	tttcggcact	gatttattgc	2220
tcttgagtca	ttttccca	gcttaacacc	acccttctca	ggcacacggc	ctgctgatgc	2280
acaccgctgc	gccaagggtca	cgggtctgtg	tctccagaca	cccttgatga	gaaaatacat	2340
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tgttcacaac	acatctcaca	ctatttgtcg	tttatttctg	atctaaaaaa	ctgaaacttt	2460
tgacacgtac	accagaaaca	acacattcaa	taacatagaa	gaaatgtctg	cgaatgtctt	2520
ttctatttgt	tttacacact	tttagttcat	ctaactggca	gttttgtaaa	cataaacttt	2580

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aaattacatt	tccacttttc	ccaccagct	catttcttta	aaaactaatg	gggctattgg	2820
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cagaggggag	ggagtagtca	atccacaccg	agcctgccac	attgcagggc	cgtccacccg	3120
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gaagtaggct	tgtctcttagc	acagcgagag	atcactctag	atatggctat	ggaggaaggt	3300
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cccatcccg	taagctgact	tctcagccgc	ttcagttctc	tgctcggaca	gcttctcttc	3720
tgacagaact	gacatccagg	gcgatacgga	gcgcgtgatg	ctctgcttgg	ccaggttgta	3780
gtggtttatg	actgtgtaaa	atctctcccg	ggcactggag	tcttgctccg	cgtagtagct	3840
ctccaagcct	tctgggatgc	actgggtggt				3870

<210> 4746

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1553)...(596)

<223> similar to gi746549 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4746

acgccgccgt	aagtttggat	actctacagc	ggccgcgaata	cattgggtgt	gatataccta	60
aggttactcc	ctgtgatgtt	ctgaatgggtg	agcacttggtt	tctgctgact	gtggtcgcca	120
gggatcggtta	cccacttgac	acgacaggag	aaaacagggtc	acagattaac	tggcagccac	180
acagtgcata	tgtatggtta	tatgggggga	agggtagcac	acagtcaaata	catctgcccc	240
agtgcattgt	gagtggtatc	agatcacagg	ctgagcacct	gggggcaggg	ctttaaatct	300
tggactaaat	tactcatga	gccctccagg	atatctgctg	gcaggtgcac	ggaggatgta	360
catagcacat	gtgtttgata	atgcagtcca	attggggagt	ggataaagtg	catttatattt	420
cttctatgtt	tgtttttgta	aaaaggagaa	aggaagcaaa	agactccttc	ctttcagacc	480
cagtgtccac	tgagcttgga	gggggtggag	cggggaccag	ccccctagga	aaaggtgtag	540
gaatagaagg	caatggcatt	ggcgctatag	tccatgggga	ggaggtgccc	gatgtgcctg	600
gcccctaggg	tggccccacc	cagagcggag	gagtgccctca	gcttcacag	ggtgaagctg	660
gagaagaagt	tctgagcctg	gatctctctg	ccctgggtca	gcgccaaaag	aaaaccttcc	720
ttcagcagct	cccagctctt	ccacacagag	cccacgcaca	ggatggggag	tccaatcttg	780
ccctggaaca	agaccgggtc	aatctcgggc	aacactgcta	cgatgtgtct	gcccagcatc	840
tccccagcct	tcctgaagat	atagcgggaa	agggggtctc	cctgctgagc	accttctgca	900

atthttccggc	aaaaccacgc	aaacctgcac	ttatcaaagt	ccctatacac	gtgagtgcgt	960
atccctagcc	gatctggcac	ctggaaatag	tggaaacatg	cctgtttgac	gtagccgata	1020
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gcgatccagt	aggctgaacc	ctcatcacc	atcatatggc	cccagccgcc	gcagccactc	1140
tcggagccat	cagggttgat	gagcctgcag	ttggagcctg	ttccagatat	gagcacaact	1200
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gctthtcggt	tggccctggt	caccatctca	ttgatcctct	ccacacactt	gtctgtcccg	1440
atcagccagt	ggthttgtgt	cagtcctatc	gctthctgcc	ggatcttccc	atcctctgag	1500
actaaaagga	cctcggatcg	tgtgcctccc	ccctctacac	ccccatagat	cgcggccatg	1560
ctgctgtcac	cgctcgtgct	ggccccgcgc	thttgcgtct	tccccgcctg	acacctcctt	1620
ccctccagca	cgaaa					1635

<210> 4747

<211> 2507

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2508)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2461)...(1592)

<223> similar to gi5199139 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4747

thttthtttt	ttgagacgga	gtctcgtctt	gtggcccagg	ctggagtgca	gtggcgcgat	60
ctcggctcac	tgcaagctcc	gcctcccggg	ttcacgccat	tctcctgcct	cagcctcccg	120
agtagctggg	actacaggcg	cccgcctacca	cgcgcggcta	atthttttgta	thtttagtag	180
agacgggggt	tcaccgtgtt	agccaggatg	gtctcgatct	cctgacctcg	tgatccgccc	240
gcctcggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	actgcgccta	gcccattgtt	300
gtthttttata	aaagcatgcc	cttacatgag	aatgaaagta	atcctthcat	ggtgtacagg	360
accccagctt	tagggtcttt	tgataactat	thttggctatt	aagcctthtc	cccctthtag	420
tgccctagaaa	aagtagaggt	tgtatggata	agtgcctctt	aatagccaag	acttcttgag	480
gactaaacct	caatttcctt	ttataaaatg	atgatggcaa	tagtccctac	ctcagtggtc	540
tgthgtgagg	attcagtaaa	ataataaagt	gcttatcatg	ctgcctggta	tatatgaagt	600
gthgatgtta	actgttacta	ttagthgtat	gtcacaaatg	taataataag	ctatctthca	660
cataagaaaa	tattgctctt	gatccatcac	caaagtgtgt	gtactctgaa	ctgtatcatc	720
aggagaggtt	aaaggatttg	ctcagaacaa	ataaaaaacc	tctccctatt	atgaccaatg	780
thtttaatga	aaatctcata	thttggctth	aaagtaaggt	gctthggctth	cattcataat	840
ctatthccac	taaaaatata	cattthgtta	tggthccact	aatatcacaa	ttagthttatg	900
agatgttgga	gatcttgtaa	tactccagga	agaggttatg	gaaaatttca	taaaggaagt	960
cccactggaa	attaaagtaa	actthttaatg	catatathtt	aaaaattcac	thtccattth	1020
actatthtaa	agtgcattga	aaattcttht	ccattthttg	gtaggttaatt	aatttgaaga	1080
agggaaatac	aatgctthac	tattactacc	aacaggattt	tacacaagaa	acattagtaa	1140

cttaagctgt	ggatcctgtg	aatgtacaac	tgacacagat	tttgtaaate	catactgggc	1200
ctggaactta	tgttgattat	aaaagtcaaa	gggtaatttt	cttttaaaga	tatattactt	1260
ataaaatatt	cccgaagtat	gaattgtgct	tttagtttag	gatatatgat	ttaaattgat	1320
gcacactgca	gatgaatggt	taccctgtgt	gtagatttaa	agaacagcat	agatatctca	1380
agaaccccaa	ataaaattaa	tttttccctt	ccttgataaa	ctccttaagg	atttacatca	1440
caaagctaatt	caagaaaccc	tctactttta	ccaagcagtt	tgtaaaagta	agtagcagga	1500
tacagaaatc	ctcaaacctt	tatataggta	aaattaaatg	acttttccct	ttaggtagaa	1560
gtccagcctc	tcaaattgca	tttgagaatc	aaagttttaa	ctgttggttg	agactgtgga	1620
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ctttgcttga	agtctgtgcc	ttcaaaacat	ttgtaataat	atactgtaat	ctctgtgaat	2040
ccagattaca	tccaattccg	atcactcgat	ttgcaggaaa	tgtactcagt	ttccatgtta	2100
cataggtcat	gatttccact	ggttgagatg	caacgagcag	gacactgtgt	tgactataat	2160
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cagacaaatc	tttgctgatc	tccacattag	gaaggttgaa	gatttcaagg	tccatcgtgg	2340
ctcctttagt	cccttctgag	aggtctaaga	ggacaagcct	gtctgcaata	ccctttgctg	2400
aaattgctaa	tgtgcaggca	ataccgagtt	ctccacctcc	aaccacagta	attttattga	2460
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<210> 4748

<211> 2375

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1650)...(859)

<223> similar to gi414111 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4748

accggccgca	atacagagcc	tgtgaattaa	gtacattctg	aaatactggg	aaaagatttc	60
atatatcctg	tacttgaacc	taaattccta	taaatggctg	agttatattc	tctttctaga	120
gattaagtgc	acaatttgat	ttgtagacta	atggttttat	tgattcaaag	tatcttttaa	180
gagcagaaat	aggaaacaag	catacaccac	acacaccctt	ttagtttaag	tgatataatca	240
gatcaaaagt	gaattaatat	aataatcttt	agtgttttta	attgtattgt	ttgttttcag	300
tagaccaatg	aaaatacata	gatccaactg	cagaagaggt	taggtaatgc	cggaaatgatt	360
ctctatcata	tccgtgtttt	atttccaatt	atacagataa	ataagtgatg	ttgaaatcca	420
tgctattttc	atcctcaaaa	taagataaat	gtatgggttac	attctagcat	ctcatcaaga	480
gtcatcatga	aacaataata	tatttactac	ttttgcaaaa	taatataata	tagactccca	540
caggctataa	agtttactta	attaattttg	gtaatgtggc	actttacaat	ggcttttggg	600
tcatatcata	ctctgttgct	gctactacta	ataataataa	aataacagta	aatgtaaaga	660
agaaaccaa	agaaaataaa	ttagatcact	tgatagttct	aaatattgtt	ttggtttatc	720
cttgaactgg	aatcaattc	tacatgattt	ggaaagaaaa	caaacacatc	tttataattc	780
agagtgtgta	ttttgaagg	gtaatatgat	ttatccaatg	ccagtgtggg	ttgtcatgt	840

tcttttttatt	caatgtcaac	tggttccgta	gctattaaag	cacttaactg	tttctgtgca	900
caggagagga	acagttccaa	actggacagg	cttctttggc	ggatgacttg	atcgagcctt	960
ttctgttctt	ttatatactc	tatcaattca	tctcttgttc	ttttcactgc	ctcttccaca	1020
gccttttcac	ttagtttctg	ctcttctatt	attgctgcct	taacagtttc	ctgacttatt	1080
tttcttttgt	cttgatatgc	tttttgaatt	tcttgagata	ctttttcttg	atcttttgca	1140
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tgttcttgag	attgctgaat	caaagcttcc	tttatttttt	cttttaacag	ttccttctct	1380
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ttcctcatgt	cttccaattc	ttgtttatgt	ttttcctgaa	gttctttgta	tctatcttga	1620
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ggaaaaagtg	agatatccag	atgagtgtgt	gttgattgct	gaatctgtgc	ttttggaata	1920
gtttgactca	caatgctatt	tgctgcatgt	gtattctctg	gtgatgaaat	aatggcatca	1980
gaagagaggc	agccaatgga	agaagagtgg	tcacggtcca	gtacaatctc	aggagaagat	2040
ggtgaaagat	ggactccaga	tactgcagga	aaggcagccc	aaggaatagc	aggagatggt	2100
gtttgggttt	caccacttcc	accatcaaaa	gtctccgcag	cctcaaaacc	acaaaaatca	2160
tcatcatcca	ttcttcaagt	ggcacctgct	cccctctctc	gctctccgct	gccgccgctg	2220
cgcgcctcac	ccacgctgcc	cggtagacca	cccccagcac	acagaccctt	acgcgtacac	2280
ccgaggcacg	gccccaggcc	cttgagggga	gaccgcggcc	cagccacaca	ggttggggta	2340
gcccacgcac	cacccggtt	cgaacaccta	cgaaa			2375

<210> 4749

<211> 2528

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2529)...(973)

<223> similar to gi5565866 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4749

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atagtggcca	gcttggggat	agaactcttc	ctggttgatg	cacagttcag	cacctgttgg	120
gtcttggtctg	ttgggatgat	aattcttttg	ggtgagggga	acagccgtgg	tcaaggctgc	180
ctgcaccccc	atccaggcac	aggaccctgg	gc aaagtctc	aaaagaggta	gtgtttttac	240
tttcgcacca	acaatacaac	ataagtattg	ggtacaaaag	aggagatttc	cttccccctc	300
acctcaacgg	gcaaaaggcc	ttccatcttc	agaagaggct	tgtgaggacc	atcggttgat	360
gacctcctag	tgaattctgg	ctcccattca	gagcacagag	aaaccacaaa	aaggggcctg	420
tggctctggt	tccaggtctc	aagggtacag	cttggttaca	tccccaggcc	ccaggctgat	480
tctctgcca	tcatactgca	agccttctctg	taccactttg	acccaggttg	aggtctggcg	540
gaaaataacc	tcaaaggcaa	ttaatacaaa	aagcttctctg	taagctaaga	ggggttatca	600
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ctgggagcag	aacagagatt	gaagacgggt	gggcacagga	gaaagcgcca	ccatcgatcc	900
cggctgctgc	cctggaaatg	tgatttttctt	aatagctgag	ttcatggttg	cttgagggtca	960
ggcctggcta	ttcatttcca	gcgatgtctg	accagagagg	actcatcatt	gacgacctca	1020
gggtcacggg	ggcgacgctg	acaccggaac	ggcagcagca	gcaggctcgat	taagacaagg	1080
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tcagacactg	cagcacctgc	aatttctgca	caggggctcg	ctgcgaagcc	cacctcttct	1260
tgggctctgt	cgaagatgac	gtagaagccc	tccatcacccg	tggcacccgat	caccagcgca	1320
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ggctgaatgt	aaagctgagg	caggattgtg	atacggaatg	acctgctgga	gttctcatct	1440
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gccagctggg	accagctcca	gaaaccatca	gagaattctg	gaatcagaga	tgcgcggggc	1560
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gtggcataag	ctaggccaag	tattccattc	catttaatcc	caggcaaaaa	gaaattctct	1980
gattcaaaaa	tagtggaat	gttgacaaga	aaagaagtat	tgaagccttt	ggggatggtg	2040
acgaggtctt	ccccaacgaa	gcccgtccag	cttcttctgt	tgtacttcac	tgtgacgtca	2100
aagcccttgg	agcggtatgt	gctagacctc	tctgtgtcaa	agtacgtgtc	tatgtaggag	2160
tgcgggggttc	ctgccacggc	aaagttactg	cttcagtggt	caacgagaat	ctgtagcttc	2220
tgcggggggg	tcccgatcag	catctccagg	tagtagccgc	ggccagagtc	cccctgcagg	2280
ttgtctacca	tggccaagaa	gttggcggcg	cccgcggggg	acgccagggc	aggctccagg	2340
gcgagcgcca	agccgtcggc	gtggcgctcg	gcaggggtcc	cgggtcccgg	ggtgggcgca	2400
actacgcggt	tcgtggccgc	ggccaccggg	aggggcagcg	tgaagggcgc	gggggccagc	2460
tccggggcgg	gcgcgcaggag	ccactggggc	agcagaggca	gcagcagcgc	ccgggccagt	2520
gcgccccat						2528

<210> 4750

<211> 1734

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(476)

<223> similar to gi4884148 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4750

ccaccatggt	gcagatgcct	acacctcttc	ccagaaagtc	tctcccatc	agattgatgg	60
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ctatgggttt	gagaatggcc	agaaggctgc	tgtggtacac	cacttcgaat	ccttccctgc	180
cggctccact	ttgatcttct	ataagtattg	tgatcatgag	aatgctgcct	ttaaagatgt	240
ggccctggtc	ctgactgttc	tgctagagga	ggaaacatta	gaagcaagtg	taggcccaag	300

ggaaacggaa	gaaaaagtga	gagacttact	ctgggccaaag	tttaccaact	ctgacactcc	360
cacctccttc	aaccacatgg	actcagacaa	attgagtggg	ctgtggagcc	gaatttcaca	420
cctggtactg	ccagtccagc	cagtgagtag	catagaagaa	caggggtgcc	ttttctaaag	480
ctaagcacag	agttgggttac	agaagggtata	tgtttatgaa	aaagtttggt	taaagacctt	540
ccatttatat	ggaaggagggt	tgataaaata	gcttgaggaa	atagcctgaa	aaacaaagat	600
gagcttatct	tagaaacaag	tttttatttt	ttattccttg	taaaatcttt	ctaactaag	660
ccttgacaaa	gctaaaaaatt	aacctgactt	tttttcttg	gaccaaata	ggtttgaaat	720
atcgatgata	tatatgagaa	ttttttttaa	attctaaaat	atagcaacat	tgacacaggaa	780
gatactctta	cttcttagag	taactacaga	gtgatttttt	tttttcttg	agggagactc	840
tgaaaaacct	tttcgataat	gtttggactt	ggactaaagc	aattagaatt	atgaagcaat	900
gataaccttt	aaaaaatttt	tctatcacat	gttgaatatt	ttcaaacctt	actttaataa	960
tctaaagtta	cgggattata	tcttatatta	attttgcagt	tttgagtagt	atgataaaag	1020
aaataagaat	tcaaaccatt	aagtacctac	ctaaatacta	catgtaaggc	actgtgcttt	1080
tatttcattc	agctgaggta	taagcagctg	tactcaaata	ttcttaaaaa	tgagaaccag	1140
tggggaaatt	gtttataatc	attggaaatg	aagaaattcc	aattggctat	atctttactt	1200
cagcttttct	tgaacaattt	acagcattga	ttttcaaact	gtgtctactg	gcaccttcc	1260
cctttgtatc	agagcagttc	tgcttttaac	tgttttatat	gttgggggtc	tctatgagat	1320
ttcattggaa	caaagagttt	cactgatatt	cgagtttgaa	aaccattgat	taagtgaata	1380
aacatcttag	aagataggaa	atatgtttta	aaaatgaatg	tattaaatct	tatgagtagg	1440
gaagatgaaa	tacaggttta	ttgtatagat	acattattta	tgaaggataa	agagcctata	1500
catgaacagc	cagaatgtat	aagcctaggg	atttactagc	catgtctctg	atgcttttgt	1560
tcatttctgt	taatcgatc	ttctgtcccc	tctgcatgga	attttatact	tgtctagggt	1620
aagagtttgt	agactcttct	agcagaacag	attttaataa	ccaatttatt	tgttttattt	1680
taaaaattta	tttttgaata	accaatttaa	tagtaaat	tatatgaaca	aaaa	1734

<210> 4751

<211> 3070

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (173)...(852)

<223> similar to gi3877428 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4751

tttttttttc	cctttcccag	tttgactttt	gccatctaga	gtttgtaaat	taagtgggtca	60
gatctgatct	agcttccttg	agagggtgct	tacttcaaaa	gttctcagac	tgaaaaaaaa	120
ttcgccatt	ttttcaaate	tttgatgggt	tcatttcgaa	tgtttttagtc	tttgctcagt	180
ctggattccc	ttgctgtctt	cctgtagccc	catctgtgac	ttcctagaac	tccagcgccg	240
ttaccgcagc	ctcctgggtc	cctcagattt	tctgtccgtg	catctgagtt	ggctatcagc	300
cttccccctg	agccagccct	tttccctcca	tcattccaagc	cggatccagg	tctcttctga	360
aaaggaggca	gtccagacg	ctgggtgctga	gccatcact	gcagacagtg	accccgctta	420
tagttcaaag	gtactgctgc	tctcttcccc	ggggttgagg	gaattgtatc	gttggtgcat	480
gctctttgtg	gatgacatgg	ctgagccaag	ggagacgcca	gagcatcctc	tgaagcagat	540
taagtttttg	ctgggcagga	aagaagagga	ggcagtgtg	gttgggggtg	aatggtctcc	600
ttccctggat	ggcctcgacc	cccaggctga	cccgagggtg	ctgggtgcgt	ccgccatccg	660
ctgtgcgcag	gccagactg	gcattgattt	gagcggctgt	accaagtggg	ggcgctttgc	720
cgagtttcag	tacctgcagc	cgggaccccc	ccggcggtt	cagacagtgg	tggtgtacct	780

gccggatgtc	tggaccatca	tgcctaacttt	ggaggagtgg	gaggccctgt	gccagcagaa	840
agctgcagag	gcagctcccc	caaccacagga	ggcacaaggg	gaaacggagc	ctactgaaca	900
ggcacctgat	gccttggagc	aagcagcaga	cacttctaga	cggaacgcag	aaactccaga	960
ggccaccaca	cagcaggaaa	cggacactga	tctcccagag	gcccctccac	ccccctaga	1020
acctgtgtgc	atgcacgcc	ctggctgtgt	aaacctgtcc	ctccatggga	ttgtggagga	1080
tcggaggcca	aaggaaagga	tctcttttga	ggtgatggtg	ctggccgagc	tgtttctgga	1140
gatgctccag	agggattttg	gctatagagt	ttataagatg	ctactgagcc	ttcctgaaaa	1200
ggtcgtgtcc	ccacctgaac	ctgagaagga	ggaggcggcc	aaggaagaag	ccaccaagga	1260
ggaagaagcc	atcaaagagg	aggtggtcaa	ggagcccaag	gatgaggcac	agaatgaggg	1320
cccggctaca	gagtcagagg	ccccgctgaa	ggaggatggg	ctttttgcca	aaccactctc	1380
ttctggggga	gaggaagaag	aaaaaccccc	gggcgaggct	tctgaggacc	tgtgtgagat	1440
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aaagctggag	gattcggagg	tccggtccgt	tgcctcaaac	cagtcagaga	tggagtcttc	1560
ttcacttcag	gacatgcccc	aggagctgga	tccctctgct	gtgctccctt	tagactgtct	1620
gcttgctttt	gtgttctttg	atgccaactg	gtgtggctac	ttgcaccggc	gagacttaga	1680
gaggatcctc	cttacccttg	ggatccggct	cagtgcagag	caggccaagc	agctggtcag	1740
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cctggatggt	ggccttcccc	aggaggtgct	cttcggaaac	ctggacctgc	tgccccctcc	1860
tgggaaaagc	acgaagccag	gtgctgcccc	cacagaacac	aaagccttgg	tgtcccacaa	1920
tggcagcctg	attaacgtgg	ggagcctgct	gcagcgcgcg	gagcagcagg	acagcggccg	1980
gctctaccta	gagaacaaga	tccacacact	ggagctgaag	ctggaggaga	gccataaccg	2040
tttctcagcc	actgaagtaa	ccaataagac	gctggcggca	gagatgcagg	agctgcgagt	2100
ccggctggcg	gaggccgagg	agaccgcccc	gacggcggag	cgacagaaga	gccagctcca	2160
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tcgcacggaa	ctgccatcct	gtgagggcag	cgggtggcgc	cggcaaagtt	ggagcccttg	2340
cggtagcaga	aagcagcgag	agcgagacct	gggagccagg	gcagggggtg	ctgaccccat	2400
gctcagcctc	taggggacgg	caggccatca	ggctgggggc	tgtgctatgt	gggatggatg	2460
tgtgaggaac	cccggttcca	cttaacaact	aaatacaaca	tcttttgcac	ccctagaatg	2520
tcatttttgc	ctcaaccttg	gtattttctc	tggggccctt	ttagtcttgt	gctgactttc	2580
tctgtctctc	ttccagttta	gaataagaca	ggggagaaaa	aggcttttgc	agtgtgggac	2640
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tgggttttgc	agtagaacac	tgcgttccag	tcaccccggt	cttgccagaa	gaaaccagca	2880
cctcttttcc	gtggctcctg	tgttcagaat	gtggtattgg	ctctggccca	gccttctccc	2940
ctgttaccca	taattcttgc	ctctttccat	aatccgtggt	ttcagtttga	ctttgtatat	3000
aaagttgggg	tttttttttt	ttttttgggc	ttgtttttta	aataaaccac	agtcaaaacc	3060
aaaaaaaaaa						3070

<210> 4752

<211> 1927

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1928)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1608)...(1490)

<223> similar to gi5817244 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4752

tttttttttc	aatgagaaga	taatttttaa	agtggatgaa	attgaaggtg	catgtaacat	60
tatcacagat	ttaaaatcat	gcatattctc	cataaaactt	ttcaaagca	gttaaacaca	120
cacacacaca	cacacacaca	cacacacaca	cacacacaaa	accaagcaat	tataagtcct	180
ctgaagcatg	taactgtgat	tagctgtac	tctcagcaat	ataaaaatac	tttcaccaca	240
attacattcc	agcctgtaat	gtaattcaaa	acaaacaagt	cagagacatc	gctcaaataa	300
cagaaccaac	aaatacagat	gctttgcac	aaggaaatga	atctactgaa	gaaatgcaac	360
tgaggagcag	cagccccctc	agggcctgga	gctgagcttc	tggtggaacg	gcgaggcccc	420
cttctgggca	gaggcacaca	gtgcgcccag	agggctgtgc	aaagctgccc	tgtagtcatg	480
gaggtgaact	ggggacttcc	tgtgtgggat	accctttcca	gtgttgtgtt	caaaatttta	540
catttttagat	tttaatttta	ttatatggat	tataaaagaa	ataaccattt	gtttcagatt	600
aaattgatca	ttctattttt	cagtcagcat	tctcaccacc	aatgggcacc	tatccccctt	660
accctgtgtt	ccttatgctt	tttgccataa	ctcttattgt	cctccaataa	actgtgtaat	720
ctatcatatc	catctcccct	tgtagaata	taagctccat	gaggggtggga	taatttggtt	780
ttttgctcaa	taacaattgt	cccatttatg	tctttatctt	ctaagactat	tcatcttcaa	840
ataagacata	aataagggtt	tattatagca	atatgtata	atttttaagt	gacaactcaa	900
gcacttggtt	taaaagtatg	cattttttct	aatgcttta	taaaagcaaa	gtcttttcta	960
aggaccatat	aattatggtc	tctatataca	caacttatat	acaatttaga	gagaagtcac	1020
agcccccagt	gccttggaag	aacatcgtag	ctgcaaaaaa	tgaagaatct	gattctgaaa	1080
tgccagtcct	ggagaagggt	ttctcagggt	ggcaaacctc	agtcctaaac	cactccagggt	1140
ccctgggtct	ggccacacat	tctctaagaa	gtcagcactt	gcctggactg	ggcacttggtg	1200
gctagaaggg	tatgcactac	ttgctaattt	ctaaaacctc	aaaccttaat	ttcccccat	1260
cttaaaatgg	gaatcagctt	ctggaaaagc	taataactgt	ttacaattgt	cagacttcta	1320
aaaagtgcta	atttgttccc	ttaacagagc	aatgatgag	agacaccatt	ttcctgcaga	1380
ttaaaaacaa	tatataaaca	tatgattcaa	cgatgtcaac	agctttcagt	ctatgaatct	1440
tgtccagggt	actttgggtc	acttggttct	ttcatcagaa	catgttcaag	atttctgaca	1500
ttcctttttc	cgaactttcg	attttgggtc	atttggattt	tcttggttgt	agaaggctct	1560
taacatttcc	actgcttcct	cagcccgata	tccagggata	cagtgggatg	agagcagtg	1620
ttctcaacca	ttgtgtctca	ggagaaccag	ttggaactct	ctggaaacac	agcactgttg	1680
gccccctgcc	ttctgattca	gatggtctgg	ggcagggact	gagcagagtc	aggcacagaa	1740
gcctccagggt	gattctaacg	ggcagtcagg	gatgagaact	gctgagttac	aggcctcgaa	1800
ggaaactgca	ccgcctgaa	atggtctccc	agtgtttggt	aggtcagcag	aggcaatatt	1860
tagaacagag	ccncaaccnc	cnnngtcenn	ngnannngncg	acggtaaaag	taagagaagn	1920
ccgctct						1927

<210> 4753

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)...(679)

<223> similar to gil016712 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4753

ggaattcggg	cgagctccaa	gagggcctga	gacggagcaa	tgaggactgt	gccaagcaga	60
tgcaggtgct	cctggcccag	gtccagaact	cagagcagct	gctgctggacc	ctgcaaggga	120
ccgtgagcca	ggcccaggag	cggtgacagc	tgcagatggc	ggagctggtc	accaccaca	180
agtgcctgca	ccatgaggta	aagcggttga	atgaggaaaa	ccaagggctc	cgggccgagc	240
agctgccatc	ctcagccccc	cagggctcgc	agcaggagca	gggcgaggag	gaatcactgc	300
ccagctctgt	gccagagctg	cagcagctgc	tgtgctgcac	gcggcaagag	gcgaggggcc	360
ggctgcaggc	ccaggagcac	ggggccgagc	gcctgctgat	cgagatcgtg	acgctgcggg	420
aggctctgga	ggaggagaca	gtggccaggg	ccagcctgga	ggggcagctg	agggcgagc	480
gggaggagac	agaggtgctg	gaggcctccc	tgtgcagcct	gaggacagag	atggagcggg	540
tgcagcagga	acagagcaag	gcccagctcc	cagacctcct	ctcagaacag	agggccaagg	600
tgtgcggct	gcaggcagag	ctggagacca	gtgagcaggt	gcagagggat	ttcgtgcgac	660
aggcagctgc	cttctggtct	gcatgacact	aagacgcttg	tccacagcgg	cgaccaggc	720
ctccaagctt	gcacagaggc	aaggccagac	ttttccgtcg	tttattttca	ataaataagc	780
agctcagcgc						790

<210> 4754

<211> 2007

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1198)

<223> similar to gi5225322 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4754

atggcgcttct	gggggttggcg	cgccgcggga	gccctccggc	tgtggggccg	ggtagttgaa	60
cgggtcgagg	ccgggggagg	cgtggggccg	tttcaggcct	gcggctgtcg	gctgggtgctt	120
ggcggcaggg	acgatgtgag	tgcggggctg	agaggcagcc	atggggcccg	cggtagacc	180
ttggaccggg	cgcgcccctt	gcagaggcct	cccagaccgg	aggtgcccag	ggcattccgg	240
aggcagccga	gggcagcagc	tcccagtttc	ttcttttcga	gtattaaagg	tggagaagg	300
tccatatctt	tttctgtggg	tgcttcaagt	gttggtggaa	gtggaggcag	cagtgacaag	360
gggaagcttt	ccctgcagga	tgtagctgag	ctgattcggg	ccagagcctg	ccagagggtg	420
gtgggtcatgg	tggggggccg	catcagcaca	cccagtggca	ttccagactt	cagatcgccg	480
gggagtggcc	tgtacagcaa	cctccagcag	tacgatctcc	cgtaccccg	ggccattttt	540
gaactcccat	tcttctttca	caaccccaag	ccctttttca	ctttggccaa	ggagctgtac	600
cctggaaact	acaagcccaa	cgtcactcac	tactttctcc	ggctgcttca	tgacaagggg	660
ctgcttctgc	ggctctacac	gcagaacatc	gatgggcttg	agagagtgtc	gggcatccct	720
gcctcaaagc	tgggtgaagc	tcatggaacc	tttgctctg	ccacctgcac	agtctgccaa	780
agacccttcc	caggggagga	cattcgggct	gacgtgatgg	cagacagggt	tccccgctgc	840
ccggtctgca	ccggcggttg	gaagcccgac	attgtgttct	ttggggagcc	gctgccccag	900
aggttcttgc	tgcagtgtgt	tgatttcccc	atggcagatc	tgctgctcat	ccttgggacc	960
tccctggagg	tggagccttt	tgccagcttg	accgaggccg	tgcgagctc	agttccccga	1020
ctgctcatca	accgggactt	ggtggggccc	ttggcttggc	atcctcgag	caggagcgtg	1080
gcccagctgg	gggacgtgg	tcatggcggt	gaaagcctag	tggagcttct	gggctggaca	1140
gaagagatgc	gggaccttgc	gcagcgggaa	actgggaagc	ttgatggacc	agacaaatag	1200

gatgatggct	gccccacac	aataaatggt	aacataggag	acatccacat	ccaattctg	1260
acaagacctc	atgcctgaag	acagcttggg	caggtgaaac	cagaatatgt	gaactgagtg	1320
gacacccgag	gctgccactg	gaatgtcttc	tcaggccatg	agctgcagtg	actggtaggg	1380
ctgtgtttac	agtcaggggc	accccgctac	atatacaaag	gagctgcctg	cctgtttgct	1440
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cctcttgaac	tgaatcagac	caactggaat	cccagaccga	gtctgctttc	tgtgcctagt	1560
tgaacggcaa	gctcggcatc	tgttggttac	aagatccaga	cttgggctga	gcggtcccca	1620
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tggagacggc	ccagctcttc	cctctgaagg	tggtcacatt	ctgttgactc	tccatactca	1920
gcctctcttc	cagaaacaga	tctgttccag	aacattccag	cactttctat	ctaaaatcct	1980
tgtccccaca	ctacgcccc	ctgtatt				2007

<210> 4755

<211> 1420

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (671)

<223> similar to gi4884180 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4755

ccagatgctc	tggctgtgga	aagtaagcca	agtcgtaaga	gcgtatgcat	caaccctctg	60
atgtccccc	agcttgccct	gcaagtggat	gcagatgggt	ttcctgttaa	gcccagagat	120
actgaaggaa	tgaagggaag	gaaggggaag	caggtgtctg	aaatcttgcc	taaagcagaa	180
gttcagagta	aacgcaagag	aacagaaggc	agcagccctc	cagatagtaa	gaacaagggg	240
cctacggtga	aagccagcaa	agaaaagcat	gctgatggag	ccacaaaaac	ccctgctgcc	300
aagaggccag	ctgcaaggga	cagaagcagc	caacccccca	aaaagacgtc	tttgaaagag	360
aataaaagtga	agatccctaa	aaagtccgct	gggaagagct	gccctccctc	caggaaagaa	420
aaagagaata	caaacaaaag	gccttcccag	tctattgcct	cggaaacact	gacgaaacct	480
gcaaaacaga	agggggccgg	tgaatcctct	tcaaggcctc	agaaagccac	gaataggaag	540
cagagttagtg	gaaagactcg	ggccagaccc	tcaacgaaaa	cccagagag	cagtgcagct	600
cagagaaaagc	gaaagctgaa	ggcaaagctg	gactgttcgc	acggcaaacg	gaggcggctg	660
gatgcaaagt	gattggaaag	atggtagcca	agagtaaaac	tgttctatag	aagtaacctt	720
ttattttgca	ttaactaaat	ctgcttttat	aagcttatca	agcctttcaa	atttacagtt	780
aatggagaac	accgtaattt	gagatgtcag	aaaatgcata	tcagatggag	aagggaactt	840
gcagagtccct	tctctgaggc	taagggaagt	tatatattat	attctgggtg	ttccttgggt	900
tttaaacttg	gaaccaagca	gttttcgttt	ttaaaagtac	agggccttat	ttatcctttt	960
tgtttttaaa	tttacaaaag	ctaaaaagct	gatctatgtg	attaaaggct	tgtattttat	1020
acttgatgca	caagcacttg	tactgtagcc	gagaagacca	ccatcatgca	cataaaagga	1080
gcttttcagc	agccaccctg	cagcatctgc	ccacgaacag	atgcccttct	ttgcaaaacc	1140
ccagcagtga	acttccctct	ctgtcttggt	tgtttgttta	gatgatgttt	gaaagctaaa	1200
ccaaatcatt	ttatggtatg	cagaggattt	ataattataa	aagattacta	tttctgttac	1260
ccccttttaa	aaaagatcat	gttcattggt	ggccctcctc	ctcacctttg	atgttttgct	1320
at ttgagagc	atgtattcta	aattatgtgc	ccatgggaca	agagatatgt	cacaagtgtt	1380

aattttttgtt tacaaactct aaaaaatcat ttgcatcccc

1420

<210> 4756

<211> 1615

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (35)...(894)

<223> similar to gi3687322 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4756

tttactgaga	ccctaggtag	agcggcggaa	ttccgcgcac	tgcttcaagc	gctgcaagca	60
gggcctgcca	gccttccgcc	agtcgccagc	cagccgcgag	gtgctggcgg	acttccagcg	120
ccgcgagccc	tacaagttcc	tgcagttcgc	ttacttcaag	gcaaataatc	tcccaaagc	180
catcgccgct	gctcacacct	ttctactgaa	gcatcctgat	gacgaaatga	tgaagaggaa	240
catggcatat	tataagagcc	tgcttggtgc	cgaggactac	attaaagacc	tggaaccaa	300
gtcatatgaa	agcctgttca	tccgagcagt	gcgggcatac	aacggtgaga	actggagaac	360
atccatcaca	gacatggagc	tggcccttcc	cgacttcttc	aaagcctttt	acgagtgtct	420
cgcagcctgc	gaggggtcca	gggagatcaa	ggacttcaag	gatttctacc	tttccatagc	480
agatcattat	gtagaagttc	tggaaatgcaa	aatacagtgt	gaagagaacc	tcacccagct	540
tataggaggc	tatccggttg	agaaatttgt	ggctaccatg	tatcattact	tgcagtttgc	600
ctattataag	ttgaacgacc	tgaagaatgc	agccccctgt	gcagtcagct	atctgctctt	660
tgatcagaat	gacaagggtca	tgcagcagaa	cctggtgtat	taccagtacc	acagggacac	720
ttggggcctc	tccgatgagc	acttccagcc	cagacctgaa	gcagttcagt	tctttaatgt	780
gaccacactc	cagaaggagc	tgtatgactt	tgctaaggaa	aatataatgg	atgatgatga	840
gggagaagtt	gtggaatatg	tggatgacct	cttggaaactg	gaggagacca	gctagcccac	900
agcaacccaa	gagacttcct	cttggcggtc	aggaaacaca	gattccttgt	ccttttccca	960
acagcccagg	ctgttgatac	ctcagagcct	tctctttact	ctccaaagtg	aaagggaagc	1020
ccccgtctct	ctaactgcat	gtcatcaggg	gtgagcctgc	ctttcctatc	ttcacacctg	1080
ccacctcatg	ttcacacctt	tctttctcac	cttttttttg	agatggagtc	tcgctctctt	1140
gcccaggctg	gagtgcgaatg	gcacgttctc	agctcactgc	aacctccgcc	tcttgggttc	1200
aagcaattct	gctgcatcag	cctcccagct	acctgggatt	acaggcatgt	gccaccacgc	1260
ccggctaatt	ttgtattttt	agtagagacg	gggttttgcc	atgttggccca	ggctgggtctc	1320
gaactcttga	cttcagatga	tccatctgcc	ttggcctccc	acagtgcctg	gattacaggc	1380
gtgagccacc	atgcccggcc	tctttctcac	ctttacacct	gtcttcttat	cctcacatct	1440
gttttcacac	cttcatccct	gtcttcctca	tgttcacact	tgtcttcccc	atgttcatag	1500
ctgcctttct	taccattttg	gtttgaaggg	cagtcttctc	tggcttggtt	ttttgttttt	1560
cccagaaaat	cagtattatt	ttttaaataa	gaaaaacatt	cctagaaaaa	aaaaa	1615

<210> 4757

<211> 2209

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2208)...(1319)  
 <223> similar to gi2734081 in the genepépt database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4757

tttttttttt	ttgtattcaa	tcgaaataat	atthttgtctt	aatatctaca	aagtgtgaac	60
aactggtctt	aagaaagcag	acaaaaggca	caaaattagt	attactacag	agaagcattc	120
atgctatttg	gatttgataa	atattggagt	ggcacagtaa	aaaataaatt	aagcattcag	180
caaaaaccag	atatttcatt	ttttccttgc	tttgtatttt	cgtcactcct	ttgacctcat	240
gtgtaaaggc	taaaaactga	aatttaactg	aaaccatgga	atattttatgc	aggcggttatg	300
tatgttttag	tcacagtgc	ttcttgcaga	gtttgggtta	accagagagg	tgcacttgag	360
gaaaaaataa	tccacaggaa	attctcttct	ctttcccaa	actaaataca	agattgaggc	420
tgtggttg	catgttttca	tgtgcatgca	tgtatttaac	ttctaaagcc	cttttctcatc	480
acaaaagaag	tctccatag	attgactggt	tttctgatgt	aaaagaagca	acttctcaaa	540
aatgaatgac	tagcgctgtg	accatgagag	acgggtggaa	aactccttgg	tgggccttgg	600
ctcttagttg	tcccagaggt	gtcccatcct	gcaaggctct	ggcataaatt	tttaacagct	660
tcttgccaac	ccccatccag	caggaaatac	ttgcttatct	ttcttgggag	cggacagaca	720
aaacactgag	gtggggaggg	aggtgagaat	cacaataatt	ttgaaatgat	aaccacccat	780
actttacca	ggaatgagcc	actttctccc	ttatggacag	tgatcgggccc	atgccagttc	840
accttcattt	tgacaggagt	tgactaagtg	agaatatctt	tgtgagtgtg	aaacattttt	900
ggcaaaagtg	aaaaatagaaa	aacttcaaac	ttcattgata	aaaaggagct	tatgattacc	960
cactttaacc	ttggtgagtg	cagtatttaa	atgtgtaatc	atactcagat	gtttacatag	1020
tgcattgtgt	tgaacgtata	cgggtgtgtac	acacacgtgc	cccgaatggc	tcttgaataa	1080
attcattcct	ctagcagagt	gtgggggtgc	acttttcata	gtatataatt	tctctctctc	1140
tcatcatttc	ttggatgcta	atacaaggtc	tcagtgaatg	ccaacaaaac	cctgatactc	1200
tactacttta	atattcctac	aaaaacaggg	ctatactgga	aagctctgca	cctccaaccc	1260
catcagtgtg	ctttccagag	gggattgaag	tatacccgag	ccatcgccct	cctggataaa	1320
atatttgggc	ttccatgggt	tgcggaggtt	ctcgcgcttc	cgttcctcca	cccgttgctt	1380
ctcctccagg	tgcgcttct	gtcgggtggc	tgcgtcaatg	tccccagcc	gcaggatctg	1440
ggtcacctcc	cgccagaggt	tcctggactc	catgggtccc	tgcttctcaa	gaggtctgat	1500
cttcttgga	tacactggca	gtgtggttgt	gtcgatgact	ttggtttctc	cattgttgta	1560
ggtgaactct	aaagtaccat	tccattcccc	atgggcttta	caaacaatgg	tgttggttgg	1620
gttggtcttc	acttctgcgg	taaccctgtg	gactttccct	ccatagaaag	gcttcgtgtg	1680
gaatatcact	gtcgtgagt	acccagtctt	ggcacagttg	atgctgactt	ttcctccgag	1740
ctccacccac	gggatgggtg	gaatggaccg	ggcgtaggca	ctaggcaggg	tgaatacgta	1800
ctcctccccg	tgttccagga	gcctcaacac	accttccctt	atcatagaga	ccccacgga	1860
catgcccatt	aacttgcttt	tgggtccatac	atgagtgttg	acgcacagtc	tcttctcttc	1920
gcactcacag	tagaagcagg	agatgggtgg	gtgatgggac	acttgctcag	ccacaaacct	1980
tagttttag	cttttggaag	ggtcatcggc	cattgggtgt	tcgtgacagc	tggcaggaga	2040
gcgggaagca	gtcctcttag	gcttgacctt	gtccttggga	acttcccagg	agcagtgaag	2100
tgtctcgctt	atgatgggtt	tgtagggtct	cttggctaaa	gcgcccttgc	ggccctcggt	2160
aaaggctgtg	agataatact	caacgaagca	aatgactctc	tcctctggt		2209

<210> 4758  
 <211> 1314  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(1315)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1294)...(532)  
 <223> similar to gil293145 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4758

ctctcccaag	gggttttaaat	tgggggcccc	ccgggttttt	ccccccccc	ggtgttttaa	60
ccccgcccc	ggaattttatt	tttggggccc	ccttaaaaaa	aatttttcctt	tccccccccc	120
gggcgttaaa	attggtttctt	tttaaaggcc	cccccttttt	tttttttttg	ctgttaaata	180
actttaatgg	ttgatgtggg	agtcacaagg	gaggtatggt	tgctccaagg	gttcttcagt	240
gccatcctca	aagctgggta	gtgcagggag	gtagggcaga	gttgggtcca	gttttcttcc	300
aggaagggtt	tagggaggtc	ccagcgagcc	ccaggaatga	gtccctcggt	accatggcaa	360
ccacaattta	agaggggctt	ctgcccaccc	ctgcagccta	ccccaggtcc	agcagaggaa	420
caggaggcca	gactggccaa	cttgctatag	acagcgccgt	atccagagcc	caactgcgca	480
tgggtcattt	tctcttctgg	gcagatccta	tgccagcacc	tttctctctc	acactggtga	540
ctggagccaa	gtgcgaggtt	ggcctttgct	gcagaggcct	ctgggtccgtg	gggatcgctg	600
aggtgggagg	ggggcaaccg	agcgagccct	aggggagtgg	tctgggggga	cagcatccag	660
ggaaaagggtt	cggggtctcc	cccagggcag	ggggtgggtc	cagtctgggg	ctggggccac	720
tgaggcaggc	gagcaggggt	taggcagggc	aggctggtct	gtaaacattg	ccagccaggg	780
tgggggtgtc	tccagccttg	cgccctcccg	ctgggtcagg	atgtctgtca	ccgtgctgat	840
gtcatccagc	ggctcaatag	ccatctcatg	gtacaaggac	ccctgctttg	ccagtgtctg	900
gggtggtttc	cggggagcag	gagtttcaat	tttcatgatt	tcatcacagc	actgttcca	960
ttggctcatg	tcaaagaaaa	gctgccacag	agcctccatc	cagctctgca	gtgcttcccg	1020
actttctgtc	tgaagggtgt	gtgtcacctc	atcatcccca	tactggttac	tgatgcttag	1080
ggtgaagggc	cgtccttagag	cctgggtccag	ctccccctgcc	cggactcgag	tctccttggt	1140
gacagcaata	gtaagcagcg	gctcttcccc	agtgtctgca	tcctcaggtt	gccggtaaca	1200
gaagagggtt	gtgcctttca	gaactccatg	cacttgtgcc	cagttctgca	tctccccagc	1260
ttgctgcacc	ctgagggtac	cacttgcagt	ggggaattnn	nnnnnctgga	ctag	1314

<210> 4759  
 <211> 804  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (51)...(519)  
 <223> similar to gi3876146 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4759

gggccaggtc	tcgggcctaa	gggggggtgcc	taagcccctc	agtggagggt	ccagctgccc	60
tctcgcccac	ggctacccag	ctgacccgcg	acctgctgcg	gagccgtggc	attgccggtc	120
tctacaaggg	actcggggcc	acgctgctca	gggatgtccc	cttctctgtg	gtgtacttcc	180
cgctctttgc	caacctgaac	cagctggggc	gcccggcgct	cgaggagaag	tcgcctttct	240
acgtgtcctt	cctggccggc	tgtgtggctg	ggagtgcgcg	cgctgtggcc	gtcaacccct	300
gtgatgtggg	gaagacgagg	ctccagtcac	ttcagcgagg	cgtgaacgag	gacacctact	360
ctgggatcct	ggactgtgcc	aggaagatcc	tgcggcacga	gggcccctcg	gccttctga	420
agggcgccct	ctgccgcgcg	ctgggtcatcg	cgcccctttt	cggcacgcga	caggtgggtct	480
acttcctggg	catcgcgagg	tccctgctgg	ggctgctgca	ggacccccag	gcctgagccc	540
agcaccgct	ccacccagc	cagctgggca	gggcccgtgt	ggggctggag	ccaggcagct	600
agcccaggac	ggagcaaggg	aagacccctc	cccagccctc	ccgtcggcag	gggcagcagg	660
gggcaggggtg	caggggtccac	ataggtgggtg	cacacgcaag	ccccccgggg	tgtgcctgc	720
accgttggga	tcaatgtctc	atztatgtag	aaaatgcaga	aatctttaca	ttctcaagc	780
tagcccctgc	cccaatcctg	ccct				804

<210> 4760

<211> 1342

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1343)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (3)...(559)

<223> similar to gi34339 in the genepept database release 114;

Run with FASTXY 3.3t00, default parameters

<400> 4760

gggtcacctg	caactgcacg	gatggccggg	tggccccag	ctgtctgacc	tgcgtcggcc	60
actgcagcaa	tggcggctcc	tgtaccatga	acagcaaaat	gatgcctgag	tgccagtgcc	120
cacccacat	gacaggggccc	cggtgtgagg	agcacgtctt	cagccagcag	cagccaggac	180
atatagcctc	catcctaate	cctcnnnnnn	nnnnnnnnnn	nnnngttctg	gtggccggag	240
tggattctg	gtataagcgg	cgagtccaag	gggctaaggg	cttcagcac	caacggatga	300
ccaacggggc	catgaacgtg	gagattggaa	acccaccta	caagatgtac	gaaggcggag	360
agcctgatga	tgtgggaggc	ctactggacg	ctgactttgc	cctggaccct	gacaagccca	420
ccaacttcac	caaccccgctg	tatgccacac	tctacatggg	gggccatggc	agtcgccact	480
ccctggccag	cacggacgag	aagcgagaac	tcctgggccc	gggccctgag	gacgagatag	540
gggacccctt	ggcatagggc	cctgccccgt	cggactgccc	ccagaaagcc	tcctgcccc	600
tgccagtga	gtccttcagt	gagccccctc	ccagccagcc	cttccttggc	cccgcggat	660
gtataaatgt	aaaaatgaag	gaattacatt	ttatatgtga	gcgagcaagc	cggcaagcga	720
gcacagtatt	atttctccat	ccccctcctg	cctgtctctt	ggcaccacca	tgtgccttc	780
agggagacag	gcagggaggg	cttggggctg	cacctctac	cctcccacca	gaacgcaccc	840
cactgggaga	gctggtgggtg	cagccttccc	ctccctgtat	aagacacttt	gccaaggctc	900
tccctctctg	ccccatccct	gcttggccgc	tcccacagct	tcctgagggc	taattctggg	960
aagggaagagt	tctttgctgc	ccctgtctgg	aagacgtggc	tctgggtgag	gtaggcggga	1020

aaggatggag	tgttttagtt	cttgggggag	gccaccccaa	accccagccc	caactccagg	1080
ggcacctatg	agatggccat	gctcaacccc	cctcccagac	aggccctccc	tgtctccagg	1140
gccccaccg	aggttcccag	ggctggagac	ttcctctggt	aaacattcct	ccagcctccc	1200
ctcccctggg	gacgccaagg	aggtgggcca	caccagga	gggaaagcgg	gcagccccgt	1260
tttggggacg	tgaacgtttt	aataattttt	gctgaattcc	tttacaacta	aataacacag	1320
atattgttat	aaataaaatt	gt				1342

<210> 4761  
 <211> 1235  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(475)  
 <223> similar to gi2981229 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4761						
ggccatcatc	tccggcatga	acatgagccc	tgtctccagg	ctgaagaaga	cctggggccaa	60
agtgaggacg	gccaagtttt	tcatcctcga	gcaccagatg	gacccaacgg	ggaatttctg	120
caactacagg	acagccctgc	gcggggcggc	ccaccgctcc	ctgacggccc	acagcagccg	180
agagaagatt	gtcattcctt	tcttcagcct	gctcatcaaa	gacatctact	tcctgaatga	240
gggctgcgcc	aaccgccttc	ccaatggaca	cgtcaacttt	gagaaattcc	tggagctggc	300
caagcaggtg	ggggagtcca	tcacctggaa	acaagtggag	tgtcccttcg	agcaagacgc	360
cagcatcacc	cactacctgt	acaccgcccc	catcttcagt	gaggatggtc	tttatttggc	420
ttcttatgaa	agtgagagcc	cagagaacca	aacagaaaaa	gaaagatgga	aagctctaag	480
atcttctatt	ttggggaaga	catgaaagcg	ctgagctgag	ggacgaggaa	gagctggagc	540
ccgcagaagc	cgtccacagc	cctgcctcag	tggcccagtg	ggcagaggcc	agggagtgcc	600
tcactatttt	gcaaatgccg	accctgtggc	ctgctgcccc	cccccccccc	ccccacaggg	660
gccatacggg	cacaggaaac	cttttatggg	actttggccc	tggcaggacc	cagggcctcc	720
aaacgtgcgg	gcggcacatg	ccttggggac	atcctgcctt	caggaccggg	gggcctggtc	780
agtctgtcca	tcctcgga	ggacacaaca	ctgccccaaa	gggggggacc	actgcaagct	840
cgagaccttg	cttgggtgaca	tgtgccactt	tggccaccac	ccacagtctg	tcaccacgtg	900
gcttgggaac	ttctggagcc	acagcaggca	tcacggtgcg	acgtgagatg	cctgcgccag	960
ccccgagccc	actggcagcc	actgccattc	cacccatggt	ccctcacctt	gccctgccga	1020
cgagcttgtc	tctgcagccc	caggtacccc	cttctctggat	gctgctggcc	ccaggagata	1080
gctttccggt	gacagctgtg	gaacgcgtca	gcaggacaaa	ctggacacat	ggagttacag	1140
tgtgtacacg	gcagtcgccg	caccagccc	ccttgtaaac	tctagtcact	ataaacacac	1200
ccgtacgcct	atccatgtcc	acccccaaaa	aaaaa			1235

<210> 4762  
 <211> 682  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(683)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (7)...(407)  
 <223> similar to gi5640017 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4762

cccatcgga	cactattcag	tgtggcgga	ttcctcgtgg	aacatcagag	aagccacact	60
ggagagaagc	cctatgaatg	caatgactgt	ggcaaagttt	tcagccaaag	cacacacctc	120
atccagcacc	agagaatcca	cacaggagag	aagccctaca	agtgcagcga	gtgtgggaag	180
gccttcaca	acagttccag	actcatccac	caccagaggc	tgcaccacgg	agagaaaccc	240
tacagatgca	gcgattgcaa	gaaagccttc	agccagagca	cgtacttgat	tcagcacccg	300
aggatccaca	ccggggagaa	gccctacaag	tgcagcgagt	gtgggaaggc	cttcgggcac	360
agttccaaca	tgtgtcagca	tcagcggatt	cacctccggg	aggacttctc	catgtaacag	420
tggcgcggtg	tccgagggca	gagtccagct	gagcacttcc	tgcatgcgcc	cccggcacct	480
gactctgccc	tttatgtatt	atccacacga	tgttttcaca	gagtgaagg	acgtttctca	540
ttaaacaac	ctcttttctt	aaatcaaaag	cagtgcattg	tcattntaga	gaaattgaga	600
caganaagtg	ggcaaaaaag	aagcttctgt	gatctctccc	acttagaaaa	aaaattcatt	660
gctgctgatt	tacgaatatt	tt				682

<210> 4763  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (699)...(146)  
 <223> similar to gi3329425 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4763

tttttttttt	ttaaaactaa	aacatttgga	ggtaaagaat	gtttctcctt	ttgctttagg	60
aagtgactag	gtttctagaa	atgctgtcgc	tttttttttt	tcctacctca	ggacagcctt	120
tgtcactgag	gattttctagg	gttagggctt	cacagggaagc	gtctccttga	acccagagtg	180
gttggttg	gcttctggca	gtgccaccga	gtactcagtt	gtggcaaaaa	gcagggtgtc	240
cagggtggtc	tcagtacact	tggcgatgaa	gcgaatgaaa	ggcctcacgt	cgccctcggt	300
ggcagcttcc	aacacgtggt	agtagtcgga	ccgctgctcc	ttgcggatgg	tgatggggcg	360
gtagcccgcc	tgcatgagga	tgaggttcat	gagcagacgg	gaggtcctcc	cgttgccatc	420
aatgaaaggg	tggatgtaaa	cgagtttata	atgggctaag	gctgcaaaact	ccactgggtg	480
cagggtcatg	gcttctcgg	agttgagcca	ctgtacaaac	tcctgcatct	gcttttccac	540
atcctgcgga	tggggaggga	tgtggtgtcc	gaccaggacc	tgtgttgtcc	gaaacctgcc	600

ggcttccacg	gggtccacgt	agcccagcac	ccgcctgtgg	atctccagca	cgtcgctgat	660
ggtgacggag	ccgatgcgcg	aaaccagagt	cgtgttg			697

<210> 4764  
 <211> 2084  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(1654)  
 <223> similar to gi3327206 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4764						
gcgaggcggg	gccgcgggg	ccgccatgga	gcccgaactcg	gtgattgagg	acaagaccat	60
cgagctcatg	tgttctgtgc	caaggtcttt	gtggctaggg	tgcgccaacc	tggtagagag	120
catgtgcgca	ctgagttgcc	tgcagagcat	gcccagtgtc	agatgtctcc	agataagtaa	180
tggaacatca	tctgtgatcg	tctccagaaa	gaggccatca	gaaggaaact	atcaaaaaga	240
aaaagacttg	tgtattaaat	attttgacca	gtggctgaa	tcagatcaag	tggaatttgt	300
ggaacatctt	atttcacgaa	tgtgtcatta	tcagcatgga	catattaact	cttacctgaa	360
gcccattgtg	cagcgggact	ttattaccgc	tttaccagag	caaggcttag	atcacatagc	420
agaaaacatt	ctttcgtacc	tggtatgccg	gtctctgtgt	gcagcagagc	tggtatgtaa	480
agaatggcag	cgagtgatct	cagaaggaat	gctttggaag	aagctgattg	aacgaatggt	540
acgcactgat	cccctatgga	aaggactttc	agaaagaaga	gggtgggac	agtacctgtt	600
taaaaacaga	cccacagatg	gccctccaaa	ttcattttat	aggctcattat	acccaaagat	660
tatccaggat	atagagacta	tagaatctaa	ctggcggtgt	ggacgacaca	acttgcagag	720
gattcagtgc	cgctctgaaa	atagtaaagg	tgtctactgt	ttacagtacg	atgatgaaaa	780
aattatcagt	ggcctacgag	ataattctat	taagatatgg	gataaaacca	gcctggaatg	840
tttgaaagtg	ttaacaggac	acacaggctc	tgtcctctgt	ctgcagtatg	atgagcgtgt	900
cattgtaact	ggctcttcag	attctacggt	gagagtgtgg	gatgtgaaca	cgggtgaagt	960
tcttaacaca	ttgatccacc	acaatgaggc	tgtattgcac	ttacgcttca	gcaatggact	1020
gatggtgacc	tggtccaagg	accgctccat	tgctgtgtgg	gacatggctt	ctgcgaccga	1080
catcacttta	cgccgtgtcc	tggttgggca	ccgggctgcc	gtcaatgtag	tagactttga	1140
cgacaagtac	atcgtgtctg	cctctggtga	caggaccatc	aaagtctgga	gcacgagcac	1200
ctgtgaattt	gttcgtactc	tcaatgggca	caagcggggc	attgcctgtc	tccagtacag	1260
ggatcgccctg	gttggttagtg	gatcatcaga	taataccatt	aggctctggg	atattgaatg	1320
tggtgcctgt	ttaagagtcc	tagagggaca	tgaagaattg	gtccgatgca	tccggtttga	1380
taacaagagg	attgtcagtg	gggcctatga	tgggaaaatt	aaagtttggg	acttgcaagc	1440
tgctcttgac	cctcgagccc	cagcaagcac	attgtgtttg	cgcacattgg	tggaacattc	1500
tggacgtgtg	tttcggctcc	agtttgatga	gtttcagatc	atcagcagct	cccatgatga	1560
cactattttg	atttgggatt	tcttaaatgt	gcctcccagt	gcccagaatg	agaccggttc	1620
tccctccaga	acatacactt	acatctctag	ataacagtct	gcactttcac	ccgtttcagg	1680
gttttctagt	cttgaactac	tggttacggg	gctaccaa	gcctaaggga	gttcgttcac	1740
agctgagtta	tgaagctgga	attggttcta	gacgctgggt	agatgcaaag	cagcctaact	1800
cttcaagtac	cgacatttct	cacctctgat	tccggctctc	ctttgagaag	gagaccttag	1860
cttccccggc	ttcaagtaga	acagaagccc	gtttccttcc	ctcatcagag	aaaaaatcta	1920
atgtttcaaa	tgtaaattgt	tcatagaaaa	ggaacataga	atctgtttta	cagaagtaaa	1980
tcgaccgtca	ggagaagact	tggcctctaa	tttatattgc	tttgactttt	ggtttgatat	2040
taagaaacag	cattcttctt	cagtgaat	ttggggtgcc	aaac		2084

<210> 4765  
 <211> 904  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (23)...(906)  
 <223> similar to gi4490506 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4765

accattagtc	cagtgcggtg	gaattcgcag	cacctaccct	cctgaaatag	tggttcctaa	60
atctgttacc	ttgggaacgg	tggttggaag	ttcaaagttc	agaagtaaag	aacgtgtccc	120
tgtgctctcc	tacctctaca	aagagaacaa	tgctgccatt	tgccgctgta	gccagcctct	180
ctctggattt	tacactcgct	gtgtagatga	tgagctcttg	ttggaggcca	ttagccaaac	240
aaacccaggg	agccagttta	tgtatgttgt	agacacaaga	ccaaagttga	atgccatggc	300
caaccgagca	gctgggaagg	ggtatgaaaa	tgaagacaac	tatgccaaca	ttcgcttcag	360
attcatgggc	attgagaaca	tccatgtaat	gcggagcagt	ctgcagaaac	tcttggaagt	420
ttgtgaattg	aaaactccaa	caatgagtga	atctcttagc	ggcctggaga	gctcagggtg	480
gttaagacac	attaaagcta	ttatggatgc	tggaattttc	attacaaagg	cagtgaaggt	540
agaaaaggcc	agtgtcttag	tccattgttc	tgatggatgg	gaccgcacag	cacaagtctg	600
ctcagtggct	agcatcctcc	tagatccatt	ttataggaca	ttcaaaggac	tcatgatctt	660
gatagagaag	gaatggatat	ccatgggcca	caagttttcc	caaagggtgtg	gccacctcga	720
tggggactct	aaagaagtgt	cccctatctt	cacccagttc	ctagactgta	tctggcaatt	780
aatggaacag	tttcctgtgt	cctttgagtt	taatgaaaac	ttcctgctgg	agattcatga	840
ccatgttttc	tcttgccagt	ttggaaactt	ccttggtaac	tgccagaagg	atcggaaga	900
tcta						904

<210> 4766  
 <211> 1333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(920)  
 <223> similar to gi3874383 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4766

gatgatatgt	cagatctctc	tccagaagag	caatggaggg	tcgagcacgc	acgcatgcat	60
------------	------------	------------	------------	------------	------------	----

gccaagcacc	gtggccatga	agctatgcat	gctgaaatgg	tctcatcct	catcgcaacc	120
ttggtggtgg	cccagctgct	cctggtgcag	tggaagcaga	ggcaccacg	ctcctacaat	180
atggtgaccc	tctttcagat	gtgggttggt	cccctctatt	tcacagtga	gctgcactgg	240
tggaggttcc	tagtgatctg	gatcttggtc	tctgctgtca	cagcctttgt	tacctccga	300
gccaccgaa	aacctctagt	acagacaacc	ccaaggttgg	tttataagtg	gttctgtcta	360
atctataaaa	tcagctatgc	cactggcatt	gttggctaca	tggctgtcat	gtttaccctc	420
tttggcttta	acttattatt	caagatcaaa	ccagaagatg	ccatggactt	tggcatctcc	480
cttctcttct	atggcctcta	ctatggagtt	ctggaacggg	actttgcaga	aatgtgtgca	540
gactacatgg	catctaccat	agggttctac	agcgagtcgg	gcatgcctac	caaacatctt	600
tcagacagtg	tgtgtgctgt	gtgtgggcag	cagatctttg	tggacgtcag	tgaagagggg	660
atcattgaga	acacgtatag	gctgtcctgc	aatcatgtct	tccacgagtt	ctgcatccgt	720
ggctggtgca	tcgtgggaaa	gaagcaaacg	tgtccctact	gcaaagagaa	ggtagacctc	780
aagaggatgt	tcagcaatcc	ctgggagagg	cctcacgtca	tgtatgggca	actgctggac	840
tggcttcgat	acttggtagc	ctggcagcct	gtcatcattg	gtgtagtcca	aggcatcaac	900
tacatcctgg	gcctggaata	gtgatgaaga	gcatcagtgg	aaaaccacc	ccacacgcca	960
tggacctcag	ggcactctcc	tccctgcccc	caaagacctc	ctgggtggga	aagactcaaa	1020
ggggcgcttg	ggccactcag	gacccctccg	gctgtgtcgg	actggggagg	gatatgatgg	1080
agagccagcc	agtggggctg	tcagcagtgg	ggggcttttt	aaaagaaaac	tattttgatg	1140
aatatattta	aaaaaccttt	ttttattgtg	gagcatagga	attgcccccc	tccaggcttc	1200
accctccctg	cctaagcagg	gtgggggcag	agccatgaca	tttttggttt	aaaggagcct	1260
tctcatctct	ggccgagaac	actgctgggc	tcccaggtag	ctgaaggcct	cagccccacc	1320
actcccttct	tcc					1333

<210> 4767

<211> 1561

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1562)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (821)...(391)

<223> similar to gil345423 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4767

tcatataaga	aaaggnaaat	aatatcaatt	ttcagtacta	ttatttagca	ctagagcccc	60
tccagttaga	aaaacaattc	ttttaaatgt	ctttatgatt	tgaggtttca	ataataactc	120
atgaataggt	gaaagtttgc	tatttattta	gtcttagaaa	aacactgaaa	gaaaaaggca	180
ggaaatgtag	tacgcagtgt	ggaagaatgg	agctggccac	atgtagtttt	agcagctgca	240
gaggaaactg	gctgagtcta	aggttacata	tttctgctca	gtaaggggat	ccatgggtgat	300
aactctcatg	atgacggtag	tcatcctggt	aaccatcctg	gtatccttgg	tggttaactat	360
ggtaaccata	gcctgcatac	tcatcttctg	ggcagcgcac	ccccagtgac	tgctgaatcg	420
ccatttcctg	tctccgaagt	tgcatcgaat	caattaaatc	gtacacaatc	accatggacc	480
acattgggga	aggataccag	gatttgacat	ttccgtcttt	tccgactaga	agcatggaga	540
agtactccgg	gctcacttga	aaatagttac	gaatgtcttt	caccaaattg	gctgggtacgt	600

cttctcgctc	aacaacagag	ctcccattaa	ttgggaacag	ttctaact	cccccaactt	660
cctctccaac	gcctaaaagc	ttcagaatgg	ttatgtggcg	cagacaaaa	ttgcacgect	720
gaccactgag	ggcagagagc	tgctgtgaat	aggcccagtc	ttcatcgta	ggagcagaga	780
tcaccagcaa	cctcctcctc	caccggaacc	tggataggaa	gttctccagg	gactgctttt	840
tgctcctctt	gcaaacaatg	ccctccttct	tctgcttctc	catatctttg	attcgggact	900
ggaaagtatc	gatcagatca	aacacagact	tcattgttat	tggtaacctca	tagtattgct	960
tgactctcag	atccacatct	gtagcacca	tgaagaagtc	attgtaggtc	attccgtact	1020
ctttcctcag	ctcgtgatg	agacgctggt	ctaccaagtc	ttcatcatcc	accactcgca	1080
tgggcttctc	attatctagc	tgaagtgggt	cgattttcat	ggtgctgttg	ttgacagggc	1140
cgaagatggg	gatcacagag	attttcctgg	tagccatctt	gcagaaactt	tccagatatt	1200
catcacgttg	ttgcacatac	atattgttct	cagccttggg	agcagtgatc	agaaggagtc	1260
ttcgtttgcc	ttcaaaggac	cccagcaggt	cggccactga	cttcttggga	ctctgctga	1320
agtgtttggt	ggtgggtttc	tgatagccat	cctgttctgt	tttacctctt	ttttcttct	1380
tgctcttctc	tttctcttgc	ttgctctttt	tctcagactt	cttcatttgc	ttttcactct	1440
taagtaactt	gtctgcgttc	tcattcttca	tctttttttt	cttctccttc	tctggtttca	1500
aaagcttttc	atgcttttta	gactcctttg	cttttttaag	gggaacattc	cccacctgca	1560
g						1561

<210> 4768

<211> 3452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3453)...(622)

<223> similar to gi5639663 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4768

tttttttttt	ttaattagaa	acaactat	tattcagaaa	agtataaaca	gtagcaatt	60
agaatcttct	tatatacaga	cataacttgc	agaaggtaa	gtctgaggac	gctgttctgg	120
gtaattttta	cagtcctttt	tagctctaag	atccatgaca	ctgcattttt	atggccaaag	180
ggcaatcaat	tatgcacctg	gtagtctcaa	taggcagtaa	aacctaatat	aaataaatga	240
caaatcatct	gccataaaaa	aatacgaaaa	acttttgaaa	tgtaattttc	aactccaatg	300
aaacaaatac	ctaattaaaa	caattattta	ttccctgcta	gaatataaag	ggaacaacaa	360
gcttgagctg	caaggctcaa	gctttgagag	cacagaaaaga	tttttaaact	aataatgcat	420
tttaagtcca	agaaatggag	ccagcccata	atctcatggt	ggaattccct	caggcaaagc	480
tggaaacccc	ctcctgatat	tatttgcaat	gcgatttttt	gttatttggg	atttttaaaa	540
tgaccccaac	ttttctgtgc	ttagttagg	agtcccttaa	aggaaaaagt	tgaaaaaaa	600
aaagatccca	catttcagtt	ctaagtcaac	gtagaatca	acttctccct	cttttctctc	660
ttcctcttct	tctcttccaa	gtggctagta	gcacagcaa	aaaacataac	ttcacttttt	720
gcctcgcatt	ccctcttgag	ataatcaaga	ccagccatat	tgaagccgat	aacatcccgg	780
acttggtgta	cttttgaaat	agttgtttcc	cttaattttt	ctatcactgg	cacaagcatt	840
tgattgctag	tgatctgtcc	aaagtgaatc	ctaaggagga	agaagaggca	ccggcatata	900
agttcaacat	cagagcccag	ctgaatgaat	tcgttaaaga	gtttaagaat	gtctgggaca	960
taagagaaaag	gcagcccaag	tagagatttt	tccagctcac	tcgacttgat	ccctttaaaa	1020
atctctaata	cataagctga	aggtgagata	ctgccataag	ccattaggat	ggggttgctg	1080
ggaagtggaa	cctctttccc	tgcagcttta	caaattggctt	tgtgttcctt	catttttgca	1140
gtttcttctc	ggtacaactc	aatagcctcc	ataatcctct	cagctgcttt	cactgtttca	1200



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tcttcttttg	ccacactctc	ctcatattct	gcttctcttt	ccatctccct	ttcttcctca	1320
agaataagag	gctcccttgt	tctctcccaa	agtctcagag	atttgtcatg	ggacgatgat	1380
acaacatagt	ctccactggg	gcttacagcc	aaacaccata	tttcttggtg	atgaccctcc	1440
agagtctgta	tggtttcaaa	tttgtctgca	tcccactggt	taatcttatg	atcttttccg	1500
gcagtgaaga	agaggtgaga	cttgggtaca	aactgtaggt	acatcacact	gtcatcatgt	1560
gcaaagagag	acttgtggca	gtccccaag	tccaaacccc	agattttcac	attcctatca	1620
gcgagaccag	ttgctatgag	tgctccatca	tgagagatgt	ccatgcatat	aacaggcagt	1680
tttgttccat	acagtgcacg	aaaaaacttt	aaagtatcaa	cgtagaaaat	tttcacagta	1740
cagtccagca	aagacacagc	caatagcttt	tgattgggag	agtaactgac	acacagaaca	1800
tcttcatcta	gttgcaaagt	tcgggtttgc	ttcacagaaa	gtctcttttg	ggtactattt	1860
tcacttttca	ctaactcaaa	atcccagaat	ttgacagatt	tatctgcacc	acctgtcaca	1920
aagccacgct	gatctggaga	gagggacatg	gaccacaaag	ctccatcatg	tgcacttatt	1980
gtctccagca	gattccctga	agccaagtca	taaagctgca	gcttccctgt	ctttgttctt	2040
atgactacct	gtctatcacc	aggtacaaag	aatgagcaaa	gtgcatattc	acaggtcatt	2100
gtgcgaatac	actgcagtgt	agacctgttc	catattttta	tggaatcagc	tgcagctgaa	2160
agaacagcaa	tattgtctga	gctgaatgac	aaagtccgca	catcactgcg	atgaccccca	2220
atagtgattc	tgcttgtcct	gacaggctga	ggagtaggca	aggatggatt	cagtgaatac	2280
aattccacca	ggttgtttctg	cagcaggaag	acagccttta	actctccgtg	aggtgaatga	2340
atcaagtcaa	aggacttgat	tttggcagaa	gtttttatat	tagtcacccg	ctggatttca	2400
tcttgcagac	tcatttcaac	attaacctca	ggatcttctt	ctctctcttt	gctagaatgt	2460
aattttgctt	tctttctagc	tttcttcate	ttcttatcca	ttttcttctg	aatttccctt	2520
ttggaaagga	tacaaaacaa	ttctagcaca	gagtcagttc	catggcaagc	aagaatcctg	2580
cctgtcttgt	cgactgcaag	gtttacaact	ctgtctcttc	cttcccgcac	tatggaacca	2640
gcttttctgc	atgaaaggat	tcgactctca	ggggcttcat	ccgtctcaaa	ggcaccatcc	2700
tctgcctcaa	gagtatcttg	tattccagga	gaagatcctt	tgattttctt	ggggtctggt	2760
tcttccgggt	cttcaatctc	ttgcagataa	gctatgtccc	ataccctcag	ttcactgtct	2820
gaggccccag	tgatgagtcg	cttttcttct	gacaacagaa	ccaaccccca	tacctcagtc	2880
cgggtggccaa	ccattgtttt	aaagcagtcg	tgagtatcaa	ggccccacca	tttcaccatg	2940
gtatctttcc	cactagtaac	tagcaggttc	ttttctcgta	gaaacaatgc	tttgtgtgatg	3000
gcatecttgt	gcccctttag	acggtacaga	ccactttcat	tgatcacatc	ccatacaata	3060
atatctgtgt	ccttggaccc	agatgccagt	ctgcctccta	gctgatcata	cttcaaggta	3120
gtgatagctg	ctttgtgacc	attgaaggtc	acatttctct	ccccactcag	gagactgaag	3180
attcggatcg	acccatcctc	atacccaaca	gctaagtgtg	gcccactctg	ggaggggcat	3240
aagcaagtaa	cttcttggtt	aagcccctga	aggataagaa	tcttctctcc	tttctttaag	3300
tcccagatga	aaacgtgttc	acaagctggt	actgccacat	aacgtccttt	ctcaccacga	3360
agtgtcacia	agacaatatt	accttttttg	ctgccgataa	cgccaaagac	cgcactagca	3420
acatagcgta	ggtactgctt	ggtgagcccc	at			3452

<210> 4769

<211> 1491

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1424)...(707)

<223> similar to gil164927 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4769

tttttttttt	ttttaacaac	tatcctat	ttaaagtttca	gttagataaa	ttatgtttca	60
aaaatcttta	cataaaaacc	tctaactctac	cactcataaa	tcataaaaatg	taactggtag	120
tatatatttt	tttttacc	atcacatttt	agactcataa	taaaaatcta	ctacttagag	180
aaaataaatt	tgacaattta	ttcaaacatt	gttacataag	aagtttttaa	gaaactgtaa	240
ataattctta	atactctcat	tttgattttc	cgacttctca	agactatttt	gtacttcttt	300
caaacacact	tcctgatgtt	gtgctttact	gttcattttt	gaaaacaagt	tgattttgct	360
cttccatttt	tctttctaag	ctcagtttcc	agatctaata	ttttaatttg	taaagcactc	420
tctctagatg	acattttctc	tatttcttca	gcaacctttt	gtcttctctc	ttctaaagca	480
gcttccagtt	gtctggccaa	tgctgtatac	tctgcagatt	tctcttttaa	cttaagattg	540
ctgtgcttaa	gacattcttc	ttggtttgcc	agcttcttct	caagctcttt	atcttctgcg	600
tccatctgtt	ctaatttttg	ttgaagggtt	tcacacttca	gctgaataag	acagttttcc	660
tcttccagag	aaagctttgt	cagaagattg	tgatttccat	caaccttctc	tacattttta	720
tttttggttt	ttgttatttg	gttattttta	tgtagcaaat	tttcacatct	gctttttact	780
atcttcagctg	cttcttgcaa	cttttgtacc	tgagttttat	acatttcaat	aagggttttc	840
tgtttttttt	ctacttcttg	caattctgag	agttcatttt	caacagatac	aacttcatcc	900
ttcaaagcag	caagtgtagt	ctttaatttt	gtattctcaa	gattcagagt	ttcattttca	960
tattcaattg	agtgaacttt	tctaagaatt	tcttcacatg	aattttttcc	atggtcttcc	1020
atcttcttca	gatcttccaa	aagattaatg	atcttctttt	tcattgtttc	aatctgtact	1080
tccaattcgg	ttttttctat	tacaattttc	tcataatgac	ttttccaggc	attggaagct	1140
gaaattgttt	cagacaactt	ggcttctctga	tctctaattt	gggaagtaag	cttttcaata	1200
gctcctgtaa	aatggtcaag	cctttgtttg	taaacttttag	atgccttttt	ttaaagctaca	1260
gttttttgcc	tacttgcttc	tttcatcact	atagcctcat	tcttattcat	tcttgattgc	1320
aggttccact	tggctatctt	ggtttctaag	ctcttttccac	tctgaaacaa	acaagaaagt	1380
tcttgatat	gggcctcctt	ttcaaatacc	ttcttcttaa	gattcttgag	caaatataaa	1440
ataagaatta	ggaatttccc	aacttgata	atattggcta	actttataaa	a	1491

<210> 4770

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (31)...(227)

<223> similar to gi5524931 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4770

ttgcacccct	tcgtagtccc	tagtccgtgc	gggtggaattc	caaaaacaac	gaccacctca	60
ggtaggaata	tatccaagcc	tgactcctgc	ggtttgaggc	aaatagctgc	tccaaaagcc	120
aaagtggggc	cccctgtttc	ctgtttgagg	cggaacagtg	acaatagaaa	tcccagtgtc	180
gatcgagccg	tatctctca	gaggatcagg	cgtgtgtcca	gttctggtaa	gaataaaata	240
gttcaatagt	ttatgagtta	attgaatgta	aaattggaca	gtcatgatta	taggtcta	300
gccttctgtc	actaaagcag	ttagcctttt	gtggatcagc	atcctgagca	caggaggtag	360
aaaaagaaga	tgacaacata	tatcccttat	ctttgagcaa	ggcaaaggct	agttgaggag	420
agaggtatag	gtgtataaac	catcttataa	gctattcaga	aggatgtgta	cataaatata	480
caattgggtg	gctgatgtaa	atctgaatca	tttcattaag	ttttttcaaa	tggttaagt	540
cttaacaatg	ctgaagtgtt	gtacggtagg	tccttagtgt	gccctcaata	catgtgaaga	600
gattaatttt	ttttttaatt	ttactgaaag	atgtatgata	gatttaggag	ggatatgagg	660

gtgactaaaa agttaaattt ttctaattgtg aactttttatt tatgttggct tggatcttac 720  
a 721

<210> 4771  
<211> 2234  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (2235)...(1525)  
<223> similar to gi4726073 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4771  
tttcgtctgg ggcagccag gagcctgagg gtcggaagcc cccaacacaa gatgctgagc 60  
tccttcctga gccccagaa tggcacctgg gcagacacct tctctctgct ctgggctctt 120  
gccgttgccc tctacttggg ctactactgg gcatgtgtgc ttcagacca cagggtttt 180  
tgtgccagca atactgaaga tctagagaca gtcgtgaacc acataaagca tcgttatccc 240  
caagctccac tgctggccgt gggcatctct tttggaggga tactgggtgct gaatcacctg 300  
gcacaggcca ggcaggctgc agggctgggt gcagcactga ctctgtctgc atgctgggat 360  
tcctttgaga ccactcgtc cctggaaacc ccactcaact cactgctctt caatcagccc 420  
ctcactgctg ggctctgcca acttgtggaa cgcctatcct atggtaagac ctgcaggccc 480  
gtacaatccg ccagtttgat gagcgtctaca catctgtggc ctttggatat caagactgtg 540  
ttacctacta caaagcagca agccctagaa ccaagataga tgccatccgg atccctgtgc 600  
tctatctcag tgcagcagat gaccccttct ccaccgtttg tgcccttccc aaacaggccg 660  
cccaacactc cccgtacgtt gcgctgctca tcacagcccg ggggtggccac atcggttcc 720  
tggaagggct gctcccgtgg cagcactggg acatgagccg cctcttgcat cagtacgcca 780  
aagccatctt ccaggaccca gaggggctgc ctgacctcag ggctctctta ccttctgagg 840  
acagaaacag ctgacaagag taccatttgg ggtctcagtt cactctttcc ttgtttatta 900  
aatatcaact tttcctgcct aatgggctga gggttcatttt cccattcctc aaggttaagg 960  
tagactacct aggaacttat tgcattctta ggccagctgg cttagtgcta cccatctgaa 1020  
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gccagtcctt tccccagcaa atgccagggg cttcatgtga agaggaactg gccacaaggc 1140  
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ctgattccca ggaagcaggg aagctaaagg aaacctggaa aggcactctg gagcagcagg 1560  
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tgatccttct	gccacacaga	ggccttaagg	tcccggccca	cggttaccaa	cttgccatca	2160
ggccctaaag	ccaggtcttc	aatctcccct	tcgtgggctt	tgaactccag	aaccttctcc	2220
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<210> 4772

<211> 2783

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (22)...(1218)

<223> similar to gi3880930 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4772

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ttaaactcga	agaccacctt	gaaatttggt	cacacatctt	ttcatggggt	cggacatgac	180
tatgtgcagt	tggcttttaa	agtgtttggt	tttaagcctc	caattccagt	accagaacaa	240
aaagatcctg	atccagactt	ttctaccgtt	aaatgtccaa	atcctgaaga	aggagaatct	300
gtgctggaac	tttccttgag	actggcagag	aaagaaaatg	cccgggtagt	gctagccaca	360
gatectgatg	cagacagact	ggcagcagca	gaacttcagg	agaatggttg	ttggaaagtt	420
ttcacaggga	atgagttggc	agctttgttt	ggatgggtgga	tgtttgattg	ctggaagaaa	480
aataaatcaa	gaaatgctga	tgtgaagaac	gtttatatgt	tagccaccac	agtctcttct	540
aaaattctga	aggcaattgc	acttaaagaa	ggatttcatt	ttgaagaaac	attaccaggt	600
tttaaatgga	ttggaagtag	gataatagac	ctcctggaaa	atgggaaaga	agtccttttt	660
gcatttgaag	agtctattgg	ttttctctgt	ggaacttcag	ttttggataa	agatgggggtg	720
agtgcagctg	ttgtggttgc	tgagatggca	tcttacctgg	aaaccatgaa	tataacattg	780
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ttcttgtgtt	atgaaccacc	taccatcaaa	agtatatttg	aaaggcttcg	taattttgat	900
tctccaaaag	aatatccaaa	attttgtgga	acatttgcta	tattgcatgt	acgggacgtt	960
accactggat	atgacagtag	ccagccta	aagaaatcag	tgctgcctgt	gagtaaaaac	1020
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ccttgtgggt	agcattctct	ctcctatctc	atctggccga	gtatcttttt	cctttttattt	1380
tctttctttt	tggccaactg	gctagactaa	acaaagtata	agtttgaaat	gaaatgggtct	1440
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ctcctattgg	ctttgttctt	atcaaatttc	tcagtgcctt	ctcagggctc	ggtatgaaca	1980
gaaaaaacag	tgttcctgca	tttaccataa	tttaatcagt	caatttgcag	atagctaagg	2040

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attgcagtga	gccgaaatca	cgccactaca	ctccagcctg	tgcaacagag	ggagactcca	2760
tctcaaaaaa	aaaaaaaaagt	cac				2783

<210> 4773

<211> 1658

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(655)

<223> similar to gi3876509 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4773

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tttaatatta	gccgacttct	tgttgtcctc	tgaactggct	actgaggttc	atttttatgg	180
aaaaacaatt	ccatggtttg	tttctgatac	tactatacat	gatttttaatt	ggttaattga	240
acaggtaaaa	cacagtaatc	ataagtggat	gtccaagtgt	ggggctgact	gggaagagta	300
tattaaaaatg	ggtaaatggg	tttaccacaa	tcatatattt	tggaactctgc	ctcatgagta	360
ctgtgcaatg	cctcaggttg	cacctgactt	atatgctgaa	ctacagaagg	cacatttaatt	420
tttattcaag	ggtgatttga	attacaggaa	ggtgacagg	gacagaaaat	gggagttttc	480
tgttccattt	catcaggctc	tgaatggctt	ccatcctgca	ccactctgta	ccataagaac	540
attaaaagct	gaaattcagg	ttggctctgca	gcctggggcaa	ggggaacagc	tcctggcctc	600
tgagcccagc	tggtggacca	ctggaaaata	tggaatattt	cagtacgatg	gtcccccttg	660
acttgattta	ggagctctca	gttgcataga	aagatctggg	gagcaccttt	tcacccccag	720
aaaaggagca	cgtgaattga	gtcgctggc	ggctctgtac	gcgctcagg	aagcttagct	780
tcttggtgcc	catctacgtg	cactggatga	tttttctttt	gaacattttg	ccccactaca	840
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agcaactttt	tttcaggtta	aatatataat	ttcaagtgtc	tttaatgaac	ttatttttta	960
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attttgggca	catgaaataa	tagctctagg	aaaatgcgca	tcttaatgac	tctttgtaaa	1140
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ctaactttta	ttcttggaatt	ttatttcatt	tcaatagctt	gtttcatttg	cacgcctttg	1260
tatttttgatt	gacctgtaga	atggatgtta	ggaaactcaa	aattgaacac	agtgaacaaa	1320
atggtatttg	aagaaatgta	atatctttta	tattctattt	atgatatcca	taatcaaatg	1380
agattatttt	accacataaa	tgtttttaaat	atcagatttt	tagtttgcag	ttttaggaaa	1440

atgctttaga	tagaaaaggt	tcttatgcat	tgaatttga	gtactaccaa	caatgaatga	1500
atatttttt	tatttttta	cacattttat	tggtcattgt	cacagatagt	aaatactaaa	1560
aatttcaggt	cagtttggtt	tgaaactgaa	attggaaata	aatctggaaa	tgttttgttg	1620
cactaaaata	ataaaatgaa	ttgtactgaa	aaaaaaaa			1658

<210> 4774

<211> 2913

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2155)

<223> similar to gi3127926 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4774

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aagcgtgtga	ggaacggatt	cctaattgagg	aaagtggctg	ttttcttcag	caacacaccc	180
acaagagcat	ccccacagct	cagagaggct	gtgctcaagc	tctcagatgc	ggggatcacc	240
cccttgttcc	ttacaaggca	ggaagaccgg	cagctcatca	acgctttgca	gatcaataac	300
acagcagtgg	ggcatgcgct	tgtcctgcct	gcagggagag	acctcacaga	cttcctggag	360
aatgtcctca	cgtgtcatgt	ttgcttggac	atctgcaaca	tcgaccatc	ctgtggattt	420
ggcagttgga	ggccttcctt	cagggacagg	agagcggcag	ggagcgatgt	ggacatcgac	480
atggctttca	tcttagacag	cgctgagacc	accaccctgt	tccagttcaa	tgagatgaag	540
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cacttcgcca	gagtggcagt	tgtgcagcac	gcgcctctg	agtcctgtga	caatgccagc	660
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ataaatcagc	catctgtgaa	gccagccgct	gcaaagccgg	cccctgcgaa	acctgtggct	1380
gccaagcctg	tgggcacaaa	gacggccact	gttagacccc	cagtggcggt	gaagccagca	1440
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tttgtgtgct	ggagggaggg	gatttaattt	taattttaaa	atgttttagga	aatttataca	2880
aagaaacttt	ttaataaagt	atattgaaag	ttt			2913

<210> 4775

<211> 2796

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)...(1500)

<223> similar to gi1572801 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4775

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tttttctcaa	gaaggcactg	aaacatgtgt	tgagtgcact	gtcaactaag	ctgtcttcaa	240
acgcccttgt	gttcagaatt	tgccacagtt	cagtgtatat	atggcctagc	agtgcataaa	300
acaccattcc	tggagaactg	actgatgctt	ctgcttgtaa	gaacatactg	cgctttattc	360
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cagacatgca	tcaaatagta	aatatagatc	ttatgctgga	aatgtcaacc	tccttggcag	480
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cccgcggcgg	ccccacggag	cctcagcgcg	cgtgcgcagg	gtaagtcagt	gggcgtgaga	2760
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<210> 4776

<211> 1285

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1286)...(607)

<223> similar to gi472900 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4776

cacacgtccg	gctaattttt	gtatttttag	tagagacagg	gtttcgccat	gttggccagg	60
ctggtctgga	actcctgact	tcacgtgac	catctgcctc	ggcctcccaa	agtgtctggga	120
ttacgggcgt	gagccacagt	gcccagccaa	aatgcgacac	ttcttccctg	tctagcagtg	180
caagatctta	aagtcagatt	ataaaacaag	ttgtattctc	actttatcat	ttttctctgc	240
agttctaggg	caggtttatc	tgaattactt	aagtccttca	tagtatagtg	agcataaaaag	300
aggacacaag	ccaaatgtat	acttaaatta	aatagcatga	tttaatttag	ttggtgctta	360
accctgaatc	ctcttaagtt	aaaaaaaaag	ttataattaa	ctattaacgt	taatgaattt	420
aaaccttcca	gaaagcatga	atccaaaagg	aaatgtccaa	caggtgatat	gaaccagata	480
ttttatggcc	tttctgtttt	cagtctcaaa	ctttctaaac	atcaatgggg	aaaaaaaaatt	540
ctctagagtt	tttcagtttt	attcttctag	agcacaattt	tccggcctgt	tactgagtac	600
ggtcttctaa	caggtacaca	attaactcat	aagtagacaa	cacaatggca	gtatttggga	660



tctgccggat	aagctgggca	aacagtcctc	tataaaaggc	aaggtagcct	tcttcccgga	720
acaccaggcg	cgccgtctgg	acaaaagact	tgtacttggt	gccctcttcc	cggagcctcg	780
tccttatgac	ttcgtgtgga	taagcaatgc	aggaggcaca	gcccttagaa	agagcagcag	840
ctgccataag	tccaaaaaaa	cttgtggaat	ttttctcagt	cccatttgca	gaagaggcta	900
atggagcttc	tttcagatac	ttctttaaac	tttcataaat	agcaaagcag	attatagttt	960
cggaaattcc	agcatcacgag	gcagttaatc	ctctatagaa	gccacgaatg	ccttcgggtct	1020
ggtaaacgta	acgagcacac	tggagtgtat	tcctctgctt	agagccctc	actttctgtt	1080
ctagctgcat	tgggttttta	accatccata	taggattcat	taaggaattt	gtgataaaag	1140
ctgcagagcc	agctgagaaa	atatgcacaa	tattgctgtt	aggcacgaaa	atgccattaa	1200
attgctcttt	ggctttggag	taacatgcaa	agtatacagc	ccttgatggt	gcaactccaa	1260
ccaaatttgg	acccaagcct	ctaaa				1285

<210> 4777

<211> 1564

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (286)...(929)

<223> similar to gi469478 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4777

tgtgtctttt	ggtgggatac	tccacagcgg	ccgctgcaga	gtgaaggcgc	tgcagcgtcg	60
gtcaccaagg	ggtgccagcg	attggcagcc	cagggcgcac	ggcctgaggc	ccccaaacgg	120
aaatgggccg	aggatggtgg	ggatgccctt	tcaccagca	aacggccctg	ggccaggcaa	180
gagaaccagg	aggcagagcg	ggaggggtgg	atgagctgca	gctgcagcag	tggcagtggg	240
gaggccagtg	ctgggctgat	ggaggaggcg	ctgccctctg	cgcccagagc	cctggccctg	300
gactatatcg	tgccctgcat	gcggtactac	ggcatctgcg	tcaaggacag	cttcctgggg	360
gcagcactgg	gcggtcgctg	gctggccgag	gtggaggccc	tcaaacgggg	tgggcgcctg	420
cgagacgggc	agctagttag	ccagagggcg	atcccgcgcg	gcagcatccg	tggggaccag	480
attgcctggg	tgaagggcca	tgaaccaggc	tgtcgaagca	ttggtgccct	catggcccat	540
gtggacgccg	tcaccgcca	ctgcgcaggg	cggctgggca	gctatgtcat	caacgggcgc	600
accaaggcca	tgggtggcgt	ttaccaggc	aacgggctcg	ggtacgtaag	gcacgttgac	660
aatccccacg	gcgatgggcg	ctgcacacc	tgtatctatt	acctgaatca	gaactgggac	720
gttaagggtg	atggcgccct	gctgcagatc	ttccctgagg	gccggcccgt	ggtagccaac	780
atcgagccac	tctttgaccg	gttgctcatt	ttctggtctg	accggcggaa	ccccacagag	840
gtgaagccag	cctatgccac	caggtacgcc	atcactgtct	ggtattttga	tgccaaggag	900
cgggcagcag	ccaaagacaa	gtatcagcta	gcacaggac	agaaagggtg	ccaagtacct	960
gtatcacagc	cgcctacgcc	cacctagtgg	ccagtcccag	agccgcatgg	cagacagctt	1020
aaatgacttc	aggagagccc	tgggcctgtg	ctggctgctc	cttcctgccc	accgctgctg	1080
cttctgactt	tgcctctgtc	ctgcctgggt	tggagggctc	tgtctgttgc	tgaggaccaa	1140
ggaggagaag	agacctttgc	tgccccatca	tgggggctgg	ggttgtcacc	tggacagggg	1200
gcagccgtgg	aggccaccgt	taccaactga	agctgggggc	ctgggtccta	ccctgtctgg	1260
tcataacccc	attaggtatg	gagagctggg	aggaggcatt	gtcacttccc	accaggatgc	1320
aggacttggg	gttgaggtga	gtcatggcct	cttgctggca	atgggggtgg	aggagtaccc	1380
ccaagtccct	tactcctcc	agcctggaat	gtgaagtgc	tccccaaccc	ctttggccat	1440
ggcaggcacc	ttttggactg	ggctgccact	gcttgggcag	agtaaaaggt	gccaggagga	1500
gcatgggtgt	ggaaagtcct	tcagccaaga	aataaaagtt	tacctcagag	ctgcaaaaaa	1560

<210> 4778  
 <211> 1932  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1933)...(928)  
 <223> similar to gi587531 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4778  
 tcagattcaa cagccccag cagcagccac tgtggcctcg cagggcgtgc ttccaaggct 60  
 gtgaggcatc acgaagctcc cggaggcttt ggccacttgc ctatggaggc gcctagggga 120  
 ggtggggagg ggacctaagc cccacttttt gtctaccag atgctgcctt catttagatg 180  
 tatcctgttg ttcagaagcc cccactggcc ccaaccgcac ctgccccggc tcatgcctcc 240  
 ctgcgctga gagggcagtg gtcacaggct gtgggctctc gcatctttga aatgaattta 300  
 ttgttcactt ttgcacacgc gtgtttagg acagggcagg tcccagcctg gggcctgctc 360  
 ccccaactgc aacatttccc caagccccc aaatgggccc aaaggggaac atgggcgtgt 420  
 ctttccacat taagtagcag gagattcccc tgagtaaaag gcattttctt aagtaggacg 480  
 tgtccaggct ccagcagcag tccctgggggt ggggggtgtg ggccttcagg ccagggcact 540  
 gcccatgact tcggagaagc cacctgggtg tccagggtgt gctggctgag gctcctgcag 600  
 ctgaggtgg gctctttcc aggcagaga cttctccaat ttggttttaa aaagcaatcc 660  
 gtgacctgg cagtctgcag tctctttgga ggctcgcttc ttgcagcagc cgcggcacag 720  
 gctgaacaca catctgttgc ctttgggtt tccacactgg tcacactttg catattttgg 780  
 cttcagagag gggtcgaagg tcttgtgggg gtctctcagc tgcttctttt gcttgttctt 840  
 ggacaggacc tccgtgccac cctcctcttc ctccagggcc cgcttgctgc gcgcacctgc 900  
 cttctccttg cttccctccc tgggccccgg ccgatgtag ggctggcaga tccagtggaa 960  
 gggcaagtgc ccggtgggct tcgctccctc ctgcctggat atctcctcct gacaccgcag 1020  
 cttcagctcc tggctcacag cagcgatgcc ctccagggc ttcaccttg ccagctcctc 1080  
 tcgcagctcc tgggtcacct gcagcgtgtg gtgccacagc ttgaagaggt gggccccggc 1140  
 gtaggacagg gggcaggggt gctcccgcac gatgtccaga tactcctcgg ccagctccca 1200  
 cacggcaggg ctccggccct cgaacagggc ggggttgtgc aggttgcct ctgcgctcat 1260  
 gacgccctgc acaccgtgt cccggaggca gcgtccacg tccctgcaggc actggatgtt 1320  
 cccgttagca aacacaggga tggccacagc cttccgca ca ccttgatat gctcccagga 1380  
 cgctgcaccc gacaggggcc cttctgctc cttgggtgct ccgtgcaccg tcagcaactg 1440  
 gcagccggcc ttctccagca tctgggcgta cctcacggtc ttgtcaatct ccgggaagac 1500  
 acggattttg cacgtgacag gaacagagag tttctcgtgg gccagcaaaa tcattctttg 1560  
 gagcaggtcc cactcgtcct gcagaaaggc gccatagtga cctctcttgg ctatcatctg 1620  
 tgggcagccc aagttcaggt caatggcgtc acagtaatcc tgagccagga gagccgctg 1680  
 aacaaacacc tccgggtcat tggcacagaa ctgcacgatg aggggcccgt cctcggggca 1740  
 cacctcgag tacaggttct cttccggta gttggcgtcg cggacaaaga cctgggcatg 1800  
 cagcatggg gtgtagcaga gctgtgcccc gtggcgccg ctgagcagcc tccaggccag 1860  
 ctgctctgg tccaccatgg gggccacgac gtggcgggcc cctcgaggg tgcggctcca 1920  
 gaactcgaag cc 1932

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<210> 4779
<211> 971
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (973)...(848)
<223> similar to gi5804910 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4779
tttttgcaaa gtttattgga aaatcaaaat ttttttatta atttactgga tttcctatac      60
ctaacaatcc ttaaaacaac tatcaacacc tgcaacacaa accacaggca aaatgaaaaa      120
cagatgcccc agacagcacc caccacacatt ggcacacact aattaaggaa caaaatctta      180
cagggtgctg acataactcg cttaagcat gcaatgattc ctgcagtgtc ccctggcaat      240
caacctctct gcaccctggg gctggatact tcaaagtctt ttgttctctt aaacagggtg      300
gaagtcaaca tgggcaagtt aaggacaagt taggatgagg atccccctag gttcataacg      360
tggagttcct ccttgggtcc tccaatggc atccaccaag gtacaggggc caatccccct      420
attaagagat gggcttaaag catccccaat gggggaaaca ggctgcca ggccacatgg      480
gcagattcta tatattcca agtccccgca ggccacaaga ctggaaagcc atagagaatt      540
ggacagctca agcctcacct gaacaatgtg ttgaaagggg atctctcagg acagacactt      600
tgatttcata agttggcca ttttggcca aatataccaa atagagatgt catgtaatgt      660
cactgcaaat ccagtacaag atactaagag tacccgagaa cctgggggtc tctttcggcc      720
atccagaagg tgaggtcagc caggaggggtg cccattgtct tctgaccaac tgatctgcc      780
gaggaaaagc tgttcagtat ccaagatgca tcaggtccaa tcccaggggt tcctagttct      840
ccttctgtgc ctgctgtaac ctcttggcca cagcagtgat cagtgtgtgc ccttttccac      900
tgccatcttc tgacagcatg aatgtcacat cacatcgagg ggctagttcc ttcacagttt      960
cctgcaatat t                                     971

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<210> 4780
<211> 1480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(738)
<223> similar to gi3878000 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4780
cctagaggtc accaagaatg aaatcctgca gagtggtttc tttgtctctc cagttagcaa      60
cgtgtgcttc ttcgccaagt gtccatacat gtgcaagacg gagtatgctg tctgtggcaa      120
accacacctg ctggagggtt ccctctctgc cttctgtccg tccctcaacc tggccccccag      180

```

gctgtctgtg	cccaacccct	ggatccgctc	ctacacactg	gcaggaaaag	aggagtggga	240
ggtcaatccc	ctttactgtg	acacagtga	acagatctac	ccgtacaaca	acagccagcg	300
gctcctcaat	gtcatcgaca	tggccatctt	cgacttcttg	ataggggaata	tggaccggca	360
ccattatgag	atgttcacca	agttcgggga	tgatgggttc	cttattcacc	ttgacaacgc	420
cagagggttc	ggacgacact	cccatgatga	aatctccatc	ctctcgcttc	tctcccagtg	480
ctgcatgata	aaaaagaaaa	cacttttgca	cctgcagctg	ctggcccaag	ctgactacag	540
actcagcgat	gtgatgcgag	aatcactgct	ggaagaccag	ctcagccctg	tcctcactga	600
acccacctc	cttgccctgg	atcgaaggct	ccaaaccatc	ctaaggacag	tggaggggtg	660
catagtggcc	catggacagc	agagtgtcat	agtcgacggc	ccagtggaac	agtcggcccc	720
agactctggc	caggctaact	tgacaagcta	agggctggca	gagtccagtt	tcagaaaata	780
cgcttgagc	cagagcagtc	gactcgagtg	ccgaccctgc	gtcctcactc	ccacctgtta	840
ctgctgggag	tcaagtcagc	taggaaggaa	gcaggacatt	ttctcaaaca	gcaagtgggg	900
cccatggaac	tgaatcttta	ctccttggtg	caccgcttct	gtcgtgcgtt	gccttgctcc	960
gtttttccca	aaaagcactg	gcttcatcaa	ggccaccgac	gatctcctga	gtgactggg	1020
aaatctgggt	ataggtcagg	cttggcagcc	ttgatcccag	gagagtacta	atggtaacaa	1080
gtcaaataaa	aggacatcaa	gtggatacct	gacttctcag	gatccttatt	ctagctacaa	1140
gtcaaagata	actcctggtc	cagacaaaac	acctggccta	tcacaagctg	actaaaaatc	1200
tgcacttttg	gccagcgag	gcaacagtaa	ctctgacagg	ttcaaattag	acctcacact	1260
ttctactcat	attctagtca	ctggacccat	ctgaatcagt	aatccctact	gcccggtcct	1320
ggagtaactt	cttagagata	ttataacaag	tggcaaaaat	aaaagaggga	tttgctaaga	1380
atatcagaaa	aggagtgttc	caatttgaag	agtattacaa	ttgaaataac	atcaaatatg	1440
tcacactaag	cagccagtaa	cagaataaat	aattacaacg			1480

<210> 4781

<211> 3205

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(2215)

<223> similar to gi4589682 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4781

cttcaagacc	gagctgccac	ggccgcctcc	ccgcccgcgc	cccattctac	gcgcctgccc	60
acaccctcct	cccctccttc	cagcgccttt	cggtggagca	ctgcggcact	cagcccagac	120
tgccgttttc	ccctcgcggg	gaacgctgtg	accccccg	aggagcgggc	ggcggggggtg	180
ggggggcccc	ggagaagatg	gcgacgccgg	gaagcgaacc	ccaacctttc	gtcccggccc	240
tttcggtagc	tactctgcac	ccacttcate	atccccacca	ccaccaccac	caccatcagc	300
accacggagg	aaccggcgcc	cccgcggggg	cgggtggttg	cggcggtggc	agcgggggct	360
tcaacctgcc	cttgaaccgg	ggtctggagc	gcgcgcttga	ggaggcgggc	aactccgggg	420
ggctgaacct	gagcgccagg	aaattgaagg	aatttccccg	taccgcagcc	cccgggcgatg	480
acctctcgga	cacggtgcag	gcagacttat	ctaaaaacag	actggttgaa	gttccaatgg	540
aattgtgcc	ttttgtatca	ctggaaattc	ttaatctgta	tcacaactgt	atcagagtca	600
ttcctgaggc	catcgttaat	ctgcagatgc	tgacttacct	gaacttgagt	cgaaatcagc	660
tgtccgcct	gcctgcctgc	ctgtgtggtc	tgctctcaa	agtcttaatc	gcaagtaaca	720
acaaacttgg	atcattacca	gaagagatag	gtcagctcaa	acagttaatg	gagctggatg	780
tcagctgcaa	cgagatcaca	gcgttgcccc	agcagatagg	tcagttgaaa	tctctacgag	840
aactgaatgt	cagaagaaat	taccttaaag	ttttaccaca	agaactagta	gatcttcct	900

tggtaaagtt	tgactttttcc	tgcaacaaag	tgctcgtgat	tccaatttgt	tttagagaga	960
tgaagcagct	gcaagtgtta	ctacttgaga	ataacctctc	gcagtctcct	ccagcacaga	1020
tttgacaaa	gggcaaagtt	cacatattta	agtatctgag	catacaagca	tgccagatta	1080
agacagctga	ctccctttat	ctccacacca	tggagagggc	acattttacac	cagcacgtgg	1140
aagatggcaa	gaaggattct	gattcgggag	ttggaagtga	taatggagat	aagcgattat	1200
ctgccaccga	gccttctgac	gaagacactg	ttagcctcaa	tgtgccaatg	tcaaaccatca	1260
tggaagaaga	acagatcatc	aaggaggact	cgtgccatcg	ccttagcccc	gttaaagggg	1320
aatttcatca	ggaatttcaa	ccggagcctt	cccttttggg	tgacagcacc	aactcaggag	1380
aagaaagaga	ccagtttact	gatagagcag	atggtctcca	ttcggaattt	atgaactata	1440
aggcaagggc	agaagactgt	gaagagctgt	tacggataga	agaggatgtg	cactggcaaa	1500
ctgagggcat	aataagttca	tccaaagatc	aggacatgga	tatagcaatg	atcgagcagc	1560
tgagagaagc	agtagatttg	ctgcaagatc	ccaatggatt	aagcacagat	attacagaga	1620
gaagtgtttt	aaacctatat	cctatgggat	cagcagaagc	cttagaatta	caagattctg	1680
cactgaatgg	tcaaatacag	ctggagacat	ctccggtgtg	tgaggtgcaa	agtgatctaa	1740
cattacagag	taacgggagc	cagtattctc	caaatgagat	tagagagaac	tcccctgcag	1800
tctctcctac	cacaaacagc	acagctccat	ttggcctgaa	gcctcgatca	gtgtttctaa	1860
gacctcagag	aaatttggaa	tctatagacc	cgcagtttac	aatccggagg	aaaatggagc	1920
agatgagaga	agagaaagag	ctggtggaac	aacttcgtga	gagcattgag	atgagattga	1980
aggtcagctc	acacgaagac	ctgggggagc	ccctcatgga	tggtgtcgtc	ctctgccatc	2040
tggtcaacca	catccgccc	cggtcggttg	caagcatcca	tgtcccatca	ccagcggttc	2100
ccaaacttag	catggccaaa	tgacagaaga	atgtggaaaa	ctttttggaa	gcgtgccgaa	2160
aattaggagt	accagaggaa	aagcta'tgtc	tccccacca	catccttgaa	gaaaaaggcc	2220
tggtcaaagt	gggcattacc	attcaagcat	tactagacat	caccgtaacg	aaggctctgt	2280
tcacatgaaa	ctacccttc	tccattgggg	gctcagactc	tgctctcatc	caggatcctg	2340
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cctccgactt	taagacttga	caggtattta	tcttgaaacc	agagaggagg	ctggaggaaa	2520
aaaaaactga	gcagcacatc	aatgcctttt	ccacctcctc	tcatectttc	cacactcacc	2580
gactgccatt	accaaacgc	caagcacac	cgttttgcag	caagacgcac	tcgttttatt	2640
aaaaccaaac	tcattatgta	tttagtgggg	ggaggggggc	acaatcaggt	ttttcaccac	2700
caaatttttc	gagaggtttc	ttgagaccat	tgctttttta	aaaactattt	tcgacataca	2760
aaatatttat	ataaatatta	tttattagtg	agttgttatt	catcctttgg	atgcaaattg	2820
taaattagga	aactatttta	ttactgcttt	tttgtggtta	aacactttat	tttaataata	2880
atgttgagtt	attttctatc	ctctttgggt	tgcggtagtt	taggtctcag	taatgtttct	2940
ggtatatatg	attccaaaaa	aaagcgaaaa	acaggtgctt	ttaggacaca	acttttctgg	3000
ggaggcaata	ttgacacttt	ggtttgtgga	acgttggctc	tatttatatt	tctgcattcc	3060
atccagtttc	ctacattcca	gcagccctct	gtcccccaat	ataatgaact	gactaaaatc	3120
aagagagcac	cccaaagtta	tttgtaaata	gctgtgatgg	aaaaaaaaaa	gacatattaa	3180
acttgaagct	aaaatgtgaa	caatt				3205

<210> 4782

<211> 1599

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1288)...(394)

<223> similar to gil208834 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4782

catttccgtg	gaaatagcct	tcagagttct	cagaatcgct	ttccccaaaa	cctgaaaatc	60
tccacaccta	tgaccttgct	ccctctcgcc	tctgatcagg	atggtgatgt	tgtggcgagg	120
tcgtgctctc	ccaggtccat	cttcaggcct	caggtgatcc	tgccctcagcc	tcccaaagtg	180
ctggaattac	aggcgtaagc	cactgttcct	ggcccacagt	tactcgtttc	tttccttcac	240
cgatggagct	acatccgaac	aagctcatcg	tcggccgaca	gatcgcacgc	aagtgggtcca	300
cggatcgcac	ataagtggct	cacagtcgac	agaaacagac	cgccacgatc	agcaacttag	360
cgctcgctcc	cccgggtctca	tcttcttggc	atgcccgctg	ggcccaggcg	ggggactccg	420
gcgcccgtgc	ttcttctcta	gctgctgctg	cagtctctcc	tctttcttct	tcaggtagga	480
ggtcacgttg	tcgaacgtgg	cctttagtag	actgctgaag	ctggcgctctg	cgccggcaga	540
gccttccagc	atggcccagt	tcccacgaag	aacaccagag	actttcttta	acacggtgct	600
ctcaggaaca	gactgccact	ggtcgccac	aggcctgtag	agcaccaggg	gggcttcctg	660
gcagtcctgg	agcaccacac	gcccctgggt	ctcctcgaaa	gccacgtccc	acacttggtg	720
ctggaacgcc	agctgctgcc	tgtacaccaa	ctgctgtctg	cgggcgtcca	gctggaagat	780
gtagaccaca	ggagtgccgt	cgcacaggag	cgccacgcag	ttctcctggc	accagaatgc	840
aatcctggac	gcggcaaaact	tctggggggc	ctgggggtcc	accagctcct	gcagactggc	900
caggtgacag	cagtgcagct	ggcgcccgct	cctgtactcc	cagagcctca	gggtgcccgtc	960
cccagaggag	gacagaagca	gcccgggctg	agttggcacc	acggagatac	ggctcacaaa	1020
ctctgtgtgc	cccaagcaga	aggactcgat	gctatggggc	gccgcggccc	agctgactcg	1080
gatcttctcg	tcccggtcgg	cagtgaggat	gaagcgggtca	tcaggactca	cagccacatc	1140
taacagcata	gacaggtgcc	ccagctctag	acggccacac	ccgtgtggct	ccagcaccca	1200
aaaggagtag	acgtctccag	acttgtcggc	caccaagacc	ttctcctccg	aggctatgaa	1260
agtcagggct	gtacacctcc	ttgccacggt	cctgacactc	agacattgcc	atggttttgt	1320
acggaaaaga	atcagacgct	tactgtcatc	ggttaaagca	aaatagctgc	cagacttgga	1380
gaagggtggac	gccagaatcg	caccgctccc	ctgggtccaag	ggcgcgtcct	cccctttatt	1440
ttcttgtgac	ttcttttctg	cagcactgca	gtcatagatg	aagaggctgt	catcatcact	1500
gcttgctatg	gaggtggcca	ggaatcggct	gccgccccgc	accaccaacg	tctgcccgcga	1560
caacgccagt	cccacagagc	ccgccatgta	cccgcccg			1599

<210> 4783

<211> 1617

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1594)...(1021)

<223> similar to gil65009 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4783

tttttttttt	ttagatgttt	taggacttta	atgttcttta	catattcaac	ataaaatact	60
gacaatagat	aaacaatagg	ggaaagactt	ttcagcaaaag	tatcactctc	gtagtcatac	120
attacaaaga	aaacagtaga	gaacaaagga	tagggtaatt	taacagaaat	gtttagttta	180
atggcataat	tgaaaaacaa	ccaaccaatc	aactttctct	tctacctatg	gaaagaatgg	240
taaaaatgaa	tcaagaactt	ctaggtcttt	ttcataaaac	agcttaaaaa	gaggaaggcg	300
aagactgggg	agggggtaca	actcttgcta	atggaatgct	ataatgcaca	aggtcaagga	360
tttaataaat	tctaaaagtg	tctacatata	tcagtataaa	ctgtattatt	agaaatataa	420
atgtatagaa	atataaagta	tatggtatta	aaaacagacc	ttgctaatat	aaacatatat	480

aaagtatgtc	acttctcctg	taataacagc	ataaagatcg	atctacagtt	tgccttctgc	540
ctggcactct	taaaccactc	ctccaatggt	caatgttgac	cttgaatcaa	cagccgctga	600
acccaggaga	ccccacagat	gtgtagattc	agcacctaga	gggccccctt	accctctgtg	660
ctgtgtgttc	ccatgactcc	agaaataatt	aatcgcaact	tgcattatta	agtccacagg	720
caagtttgaa	atctaactag	aaaaagtagc	agcaaaggca	aaatacgcgg	gaatttggtta	780
gaaaagcaac	aagattttctt	aaaatgcttc	cagttcaagt	cagaattaag	gtgacattag	840
gtcccaccag	ctttacagag	ttgtggatgt	tttgtctgtg	ttctttcaaa	aaagaagaat	900
ctgcaataaa	catgttcatt	tgagaaaaat	actgtgttaa	ctttttgtag	ccatccccaa	960
gttactttta	actttgtatg	ttgttcaaga	acagagtata	tcctggttag	gatgtgttca	1020
tagctgatgc	atctccaaaa	atTTTTtcat	gaaggcggcc	agcttctgaa	cgtcttcaat	1080
tgtgacagca	ttatacagag	aggcccggat	gcctcccaaa	gacctatgcc	ctttcaagga	1140
caacatattg	agttcaagag	ctttatcaag	aaatcttttt	tctaaagcat	catctccttt	1200
ggcattgcc	atgcggaatg	gaatattcat	cttgcttcta	ttttggggct	ccactggaca	1260
aacgtagaat	ccttgagaat	tatcaataat	ctcataaatt	gtttgagatt	tgatggagct	1320
aagcttctcc	atggccgcgg	cacctccatt	gtttttaatc	cactccagaa	ccaagcccat	1380
gacgtagatg	ctgaaacatg	gaggcgtggt	gtacaaggag	ctgtttccag	cctgcacctt	1440
gtattccagg	accgaggggc	actctcggag	ggcaaaccct	agcaggatcat	cacggacaat	1500
caccacgggtg	accccgagcag	agccaacatt	cttctgggca	ccagcaaaaa	tcacacaaaa	1560
cttggaacaa	tccactggct	tggacaggaa	gtttggtctc	tctctctctc	tctctctc	1617

<210> 4784

<211> 2964

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2966)...(2081)

<223> similar to gi5911961 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4784

tttttttttt	ttagagaaaa	taatttaata	gagaaacaat	gaatgatact	cttcacactc	60
agcctcctgc	agggaggaca	gacagctctt	gcccaggaa	gcatttaagg	gcagaagggc	120
tacaaatcac	caacaccgc	tgattattta	aaagaaactc	tcaaatacat	tcttttcag	180
gttaaattca	ctttgtcttc	ataagtgcct	atgctgtggg	ctgtgaagg	atcagcccca	240
ttgaagagat	ggggagaccc	aggcccagaa	aggggaaaga	gcttgcccag	ggctccacgg	300
cggcagggca	ggcctagaag	tgggtggcct	agagggcact	gggtcagact	gtctccaagc	360
ctccctctcc	ctgtcccagg	ctcaaactcc	agcacaaggc	ccgcgctgtg	gctagtgtgg	420
ggcccagagg	gaacggaggt	gggagagatg	aggaccaagg	aacctcctg	agtgtccct	480
aggccagggc	aggaacaagg	cttgggcttc	ttaaacccca	aaagatccag	ctttcatgct	540
tgagggatta	acctaaagta	ccaagatggc	gggcaggtgt	gagttcccag	aaagactgg	600
gggttctgtg	gggctgagtg	catactgtgg	ggaggggtgt	tccctgaggg	gtgttgagga	660
gccccattcc	agtgcacaga	ggagctgagt	tggaaataagg	gggtccggga	agggcaggcc	720
aggggcacag	ctgctgtgtg	gcagggcgag	ggcaagcaca	gaagtaccct	gcggggggcc	780
cttgccccct	ttctcggagc	caaaaatgat	agagggctgc	atgccccaaa	acggacaggc	840
acaggacccta	gtaaccaccg	agtaacaaag	gtctcatgaa	agaagtgtgt	ttctcccaga	900
gtcctgccct	cccctccagt	atacagcaca	gccatcaaac	catctgtggg	gtgcagagta	960
acctgaggga	ggctggggac	tctgggatat	gggggtctca	gcactgtcca	tccaagaagc	1020
ctgctcgcca	gggctgcagt	gggccacttc	attcttggcg	tcagcctggg	ttagtgcctc	1080

tctgtccag	atggetcaca	tctgtccaat	cattcttcta	gggtcactga	aggggtgcaag	1140
agctacgaac	agattccgac	agtcctctct	tgtccaggg	gtcagcttcc	cagcgagatt	1200
ccctcatctt	gacctgtctc	ttcaagtatt	cagctcgggc	catgaggttc	tgaacctcag	1260
tgtgaagcag	ctcccgcctc	cggcccgggg	gtcccgctgc	cagcaacagc	agtagctccc	1320
ccaggctgtg	ctggtacagg	tccagggcat	cctgtcctcc	gccggcgggc	tcctccttgg	1380
ccatggcagc	tgaagccact	tccagggcag	ctaggaggcg	tggcttgctc	cgggccatct	1440
ctctgagcag	gtctcgggca	gaggctccct	gcctcagcag	ggcctgattg	gaagaggaga	1500
cgatggcctt	gagctcctca	gcccgggaca	cgtaactgcc	cacctttgcc	tttaattgcct	1560
ccttcgctg	ggcatccact	tcatagtgca	gggcagggtac	aaagaagtcc	agagccttgc	1620
agtagagtga	taaggcagct	gctgaatccc	cctcctggtc	tttcttcaca	gcctgcacca	1680
ccaggggcgt	tgctcgcccc	agactctccc	cactgggcat	gtgctccagg	tccaccagg	1740
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gcagtaggtc	ccggcagctc	cgggagagca	ggggccgcaa	ggggagctcg	atgaccgggt	1860
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ctgacgcccc	tcagcagggg	ccctggggcca	gcagtcagtt	ttcatcagaa	cccttcagaa	2040
gtggcccaga	gaggccttgc	ctgaggaaac	tgtaggcctc	aggggtgagaa	gcagggaaaa	2100
gaggtctcac	catacaggat	gaccccatg	gaccagaggt	ccacgcgggc	gtcatactgc	2160
cgctggcaca	ccatctcggg	ggccatgtag	aggggggagc	cacggagcac	gtgcttctca	2220
tcacacgggg	acatgtgttg	tgcgaaacca	aagtctgcca	gttttaggtg	gggcttctcc	2280
aaggagctca	gtagaatgtt	ctgtggcttc	agatccaggt	gagagatatt	ccgttcacgc	2340
aggaattgca	gggcgctagc	taattgctgc	atgaagacac	gcgccacctt	ctcaggcaga	2400
atcctgcggg	tatggatgaa	gcgagacagg	tcgccccctg	cgcaaaactc	catgatgagg	2460
tagatattgt	cactgtccca	ctgaaagtct	ttcagctgca	caatgtgggg	atgtcgaatg	2520
cccttgagga	tctcaatctc	cgtgaggagg	ttctccaccg	atgccttggt	cagacttttc	2580
ttggctacac	actttatggc	taccatttca	cgagtgtcct	tcttggcgta	ggccttgtag	2640
accgtggcgt	acgtgccgct	gccaggcgcc	tcggtgagga	tgaagccgtc	caggcgcggg	2700
ggaccccagc	cgggccccgc	catcccggcc	gcctgcgccc	gcgcggggcg	ttcctcgctg	2760
cgggcgcgcg	ttccggcggg	ttgcggggcg	ggccgagcac	tgggtggctc	cacgctgccc	2820
ccagcgccgc	ccgccggaaa	tgcagcgcg	atcggggacg	cggatccgcc	cggctcccgg	2880
cgccctctcc	ctgtctctgg	gcctcgccgg	gtcacgcgcc	ccgccagttc	ctgcaggggc	2940
cacgtgggga	tacggaggcc	ccgc				2964

<210> 4785

<211> 1589

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (203)...(565)

<223> similar to gi3873983 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4785

cacctgcaaa	gttgttcttg	gtgtgaaaga	gtggggtaaa	ggaattaagg	aggggaagtgt	60
gtcttcccag	atgctgtgcc	ccctcacaca	gcacccacc	agctagtgcc	caggcacact	120
tgggcatcca	tctgtgtttg	ttgcctgaat	gaccgtgggt	gagaatgaag	gcgtggatga	180
ccaggagggg	tgggggaagc	gactcaccac	tgcaggcccc	tcttgttctt	gtgcagatgc	240
cttctcgat	ttcacactgg	ctcgccaggg	ctaccacgg	atggcgttct	ccgctgctt	300



tggcggcatc	atcttcaaca	tctctgtggg	tgtggggctg	ggctgcctgc	tccagatctc	360
ccgaagccac	acagaagtga	agctggagcc	agacggactg	ctgggtgtgg	tcttggcagg	420
cgccttgggg	ctcagcctcg	tcttctccct	ggctctcagtc	ccattgcagt	gcttccagct	480
cagcagagtc	tatggcttct	gcctgtctct	cttctacctg	aacttctctg	tctgtggcct	540
cctcactgaa	tttggagtga	ttcacctgaa	aagcatgtga	ctgaagccgc	ttagtgctgt	600
ggcctcactg	caggcaggag	ccccgcccc	cctgccgggg	gaggcccagg	gaccggagca	660
tttctgcaag	gcccttgtgg	gcacgagagt	gcggcccttg	ctgctggaga	tctgaggtca	720
ctgctgtgag	ctgggagaac	tgtgtgttac	ctcttctctg	cagcacccaa	cagccttgcc	780
gtggggacct	tggaaacctg	gctttgtctt	ggacaaaggg	ttccagagag	aagctagaag	840
tcccccttga	atgaccccca	gagccctctt	gagaagggct	ggagtgttgg	ggaaggggat	900
ggctggatgt	gctccaggcc	atgctggagg	tacccccgag	gcacaggcac	tgcccgttcc	960
ccttgccctg	gcttcaggcc	ttctggcacc	ttctcaggac	acaagtggct	gccccaccct	1020
gactcagaga	atgaggggtg	cttggacccc	tgggaatcag	gccgccgagg	gctgagctcc	1080
agagccgcac	catctgccac	aaacagaatt	cgagacatac	ttaattttga	atttctcctt	1140
gccacgttaa	taaagccaaa	agcagcgggt	gctattcgtg	gcaacacact	tcactgaacc	1200
cacttgcttc	caaaacgatg	ccagcccagag	gcactgctac	gccagcagct	gccacatggg	1260
atggtggctc	aggcgctccc	tccaggattc	tgcctctgcc	tgtccacaga	ctcctttgtg	1320
ctggaacctg	ggctcctcca	gctgccaggc	aggagtctgg	aggactgtgc	ctgtgcctcc	1380
ctcagcgggg	ccctggggcg	ggttccaagg	cctgcgagct	gggaaaggac	agatgagggg	1440
acctcgtgcc	ttcttctgtg	catgcaatga	ccccgcctta	tgttgccgaa	ataagcaact	1500
cttaggtttg	cctgactgcc	ttatgctggt	aaagaaaagg	gattcaactg	tctcttttcc	1560
aaataaaaaa	aaaagtcaaa	atttcaaaa				1589

<210> 4786

<211> 1657

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(734)

<223> similar to gil487866 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4786

agcgggccgcg	tggccatgga	cggcctgggc	ctccagttcc	ccgagcaggg	cttccccgcc	60
ggcccggccgc	tgtgcctcc	gcacatgggc	ggccactacc	gcgactgcca	gagtctgggc	120
gcgcctccgc	tcgacggcta	cccgttgcc	acgcccagaca	cgcccccgct	ggacggcggtg	180
gaccccgacc	cggctttctt	cgcgcgcccg	atgcccgggg	actgcccggc	ggccggcacc	240
tacagctacg	cgcaggtctc	ggactacgct	ggcccccccg	agcctcccg	cggctcccatg	300
caccccgac	tcggcccaga	gcccgcgggt	ccctcgattc	cgggcctcct	ggcgccaccc	360
agcgcccttc	acgtgtacta	cggcgcgatg	ggctcgcccg	gggcggggcg	cgggcgcggc	420
ttccagatgc	agccgcaaca	ccagcaccag	caccagcacc	agcaccaccc	ccccggcccc	480
ggacagccga	cgcgccctcc	ggaggcactg	ccctgccggg	acggcacgga	ccccagtcag	540
cccgccgagc	tcctcgggga	ggtggaaccgc	acggaatttg	aacagtatct	gcacttcgtg	600
tgcaagcctg	agatgggcct	cccctaccag	gggcatagact	ccggtgtgaa	tctccccgac	660
agccacgggg	ccatttcctc	ggtggtgtcc	gacgccagct	ccgcggtata	ttactgcaac	720
tatcctgacg	tgtgacaggt	ccctgatccg	ccccagcctg	caggccagaa	gcagtgttac	780
acacttcctg	gaggagctaa	ggaaatcctc	agactcctgg	gtttttgttg	ttgctgttgt	840
tgttttttaa	aaggtgtgtt	ggcatataat	ttatggtaat	ttattttgtc	tgccacttga	900

acagtttggg	ggggtgaggt	ttcattttaa	atttgttcag	agatttgttt	cccatagttg	960
gattgtcaaa	accctatttc	caagttcaag	ttaactagct	ttgaatgtgt	cccaaacag	1020
cttcctccat	ttcctgaaag	tttattgatc	aaagaaatgt	tgtcctgggt	gtgttttttc	1080
aatcttctaa	aaaataaaa	ctggaatcct	gcttttttgc	tctactagta	cctctgtcac	1140
actagtctta	tcaaaaacca	gttcttaaga	tcaatgttaa	gtttattagt	taatgtaaat	1200
ttctcatcct	cgaaaagggt	gaacataaat	gcctttaagg	agtatatcta	aaaataaaca	1260
ttaggatata	taagtttgat	gtaattgttt	caggaaggaa	aaaagaaaag	cattctggaa	1320
tgagcctact	tcaagtaatc	ttagtttcta	aaactaacag	ttaatatttt	caattccagt	1380
atatcacttt	aagtagaagg	ggatgtccaa	gtaatttttg	ttttctaact	gttgaatcat	1440
aagcttgacc	tgcccccaga	ggcttttttg	atgtttttat	ctgtgttttg	ccatctcttt	1500
acactcctcg	acattcagtt	taccttaatc	ttcacatttt	tacaccttgg	gaagtggcaa	1560
gcatcgctgg	gtttaagata	aaggagtcac	aaaaactaat	caaaataaaa	tttgcattat	1620
gacaactttt	aatacacttt	agcattttat	ttgattg			1657

<210> 4787

<211> 1909

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (52)...(695)

<223> similar to gi464039 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4787

gatgacctg	attacgtca	gcttggcacg	aggtggcacg	agggcgacgc	ggacagcatc	60
agcctcgagc	tgcgcaagcc	cgacggcacc	ctcgtctcct	tcaccgccga	cttcaagaag	120
gatgtgaagg	tcttcggggc	cctgatecctg	ggggagctgg	agaaggggca	gagtcagttc	180
caggccctct	gctttgtcac	ccagctgcag	cacaatgaga	tcattccccag	tgaggccatg	240
gccaaagctcc	ggcagaaaaa	tccccgggca	gtgcggcagg	cggaggaggt	tcgggggtctg	300
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ctccacaacg	tgtgtgccga	ggcctgtgat	gccatctaca	cccgccagga	ggatgtccgg	420
ttctggctgg	agcaagggtg	ggacagttct	gtgttcgagg	ctctgcccga	ggcctcagag	480
caggcgagag	tgccctcgctg	caggcaggtg	ggggaccgcg	ggaagccctg	cgtctgccac	540
tatggcctga	gcctggcctg	gtaccctctg	atgctcaagt	actgccacag	ccgcgaccgg	600
cccacgccct	acaagtgtgg	catccgcagc	tgccagaaga	gctacagctt	cgacttctac	660
gtgccccaga	ggcagctgtg	tctctgggat	gaggatccct	accaggcta	gggtgggagc	720
aacctggcgg	gtggctgctc	tgggcccact	gctcttcacc	agccactaga	gggggtggca	780
acccccacct	gaggccttat	tccctcctc	ccccactccc	ctggccctag	agcctgggcc	840
cctctggccc	catctcacat	gactgtgaag	gggggtgtgg	atggcagggg	gtctcatgaa	900
ggcaccacca	ttcccaccct	gtgccttctc	tgcgggcaga	gagggagaga	agggctcccc	960
agatctacac	ccctccctcc	tgcatctccc	ctggagtgtt	cacttgcaag	ctgcaaaaac	1020
atgatggcct	ctgggtgttc	tgttgaactc	cttgaacgtt	tagaccctaa	aaggagtcta	1080
tacctggaca	cccacctccc	cagacacaac	tcccttcccc	atgcacacat	ctggaaggag	1140
ctggccccct	agtcccttcc	tactccccaa	caaggggctc	actatcccca	aagaaggagc	1200
tgttggggac	ccacgacgca	gcccctgtac	tggattacag	catattctca	tctctggccc	1260
cgaggctgcc	tgtggggcga	gtggagacct	cccatcactg	agacagatca	cagaccacga	1320
gtgcctttcc	cggacctgga	cgttgcctcc	agagcaggca	ccagctcttt	ccctctctac	1380
acagaaatat	ttttgtaagg	ttctggggca	gggaggggagc	atgaagtacg	aggaaaactt	1440

gaattccaga	tttttagtgc	aaagtattta	tcattttctac	cagaaataaa	cgttttaagt	1500
ttttacttga	ctaagagac	ccagagtttg	gagaaaactt	ttggccaatg	ctgccacctg	1560
atgtcagaaa	gtgtccccc	accctagcag	tggcctatct	tggacaaga	acttcgaaag	1620
cacctactgt	gtgctcagcc	atttgaggaa	ggaaggagga	gaaggaagat	gttactaggg	1680
aaggatgaga	taaaacttct	gcacccaaga	caatgagaca	gacatagctg	caaccgtagt	1740
aagccagtca	gaaatagcca	gcgcgaaggc	aagagatggg	gtggagattg	gaaccccgct	1800
tcagatctgg	gctcggctac	ttacctgctg	tgcagccatg	ggtcaagttg	cttgacctct	1860
ctgtgcctcc	actcccttag	ctataaaatg	agcttactta	aaaaaaaaaa		1909

<210> 4788  
 <211> 682  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(303)  
 <223> similar to gi1628579 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4788						
atttgccatt	tctctatggg	ttggaattgg	agctcaaata	tatcctccac	ttcctgagag	60
aacattgcc	ttgcaccttg	atatccaagg	ctgtaacagc	acctacaatg	agacaaattt	120
gatgacaacc	acagaaatgc	catttactac	tagtgttttt	caaataatac	atgttcaaag	180
gactccactg	atggataact	ggtattcttt	atcatatctg	tacttcagca	ctgttggaac	240
tttggttaaca	ttattagtgg	ggatacttgt	cagtttatca	acaggaggaa	gaaaacagaa	300
cttagacccc	agatatatac	taaccaaaaga	ggacttttta	tccaattttg	atatttttaa	360
gaaaaagaag	catgttttga	gctataaatc	acatccagtg	gaagatgggtg	gaactgataa	420
tcttgctttc	aaccacattg	aattgaactc	agatcagagt	ggcaagagca	atgggactcg	480
tttgtgaagc	tgctctgata	ctagatatcc	ttaaatgatg	tttcaatttt	atatgttttc	540
taagataatt	ggatcaggtt	ttctttgtgt	gtgtgtgtgt	gttgtatcat	gagtgttttg	600
gggataagtt	tttgttaaaa	caaagtctgg	actatcttca	tttactacat	cattaattga	660
tgttactctg	gagtttacia	tt				682

<210> 4789  
 <211> 1299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1300)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature

<222> (1299)...(932)

<223> similar to gi5832784 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4789

tttttttttt	ttactgccat	aaagaatatt	atttaaatcca	tgagacatcg	tccctacaaa	60
gttagcggtta	cttttaaaaa	tgaagaccgt	gatataaaact	ggtaaaaaaac	gggcctgatg	120
cgctctgagc	actccctggg	agcaggccct	ggggtggctc	cgcccagtg	cggtctacct	180
gaggtctact	tgtgtctccc	cccttggtct	ctgccccag	accatggcca	aagcctttcc	240
cacaatgtcc	catctgagag	ccttatggat	gggctcacag	ggcagaggta	ggaggagaaa	300
gaggaagggg	catggtgggc	acccagccct	gggggcaact	gagggcacag	ccacgtcccc	360
agcaagggca	cgctccagta	gtagtggggg	agaaggcacc	agcagaggca	gcgctgagga	420
cctgggaaga	aaaggaccct	gccccaggag	atggtctcag	caaggagcgg	gatattagga	480
actgagaccc	aagactcaga	gaggcagggt	ccttggggtg	gcctgagctt	gggtcaggat	540
ctcacaggcc	tcacgcccc	gaaaaacccc	gccttaacca	accatctcac	gcggagtcag	600
cctcgccctg	caggggggca	cccagggtcca	gagcccgggc	cctgtcttgg	gtctctggct	660
ctctggcaca	cagagagcgc	tctgcagagg	gcagccctcg	caggcagacc	ctgttccagc	720
agggctgagg	ggccagccgt	gtggcccagc	ggtcagtgc	gcacctggtc	cagctcatac	780
ttctcgaga	agcggctggt	gaaggggaag	caggtgaggt	gctcgatcca	gggccagtta	840
atggggtaga	tgtacagcca	cagcacgagg	gcggcgaa	ggccggcaaa	ggccagcagt	900
gacaccagga	tgagtgcctg	cttgcggtac	ttgtcgctgg	tgccgaaggt	gatgtagggc	960
aggaaggcga	aggccagcag	caggccactg	aggaagccga	agatgtgggc	gatgtgtctg	1020
atccagggca	ggaggccaca	gatgaacagg	aagagcncga	tggccgagag	gttgaggaag	1080
gccttccagg	gcctctccag	cagcgccag	ctctggaaga	gctccacgaa	gaggcaggcg	1140
aggaggccga	actgtgagcc	ggccggggcc	acctctgccc	ggtatgggag	aaagatggca	1200
ctggcgaggt	tgctgtgat	gccactgagg	atgaagatga	tggcgatacg	gtgccannng	1260
nncngcttct	ccaggtccct	caggatggtc	atttgaaag			1299

<210> 4790

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(83)

<223> similar to gi3329384 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4790

ccgggacaca	cttcggcgag	tgtttaacct	acctcccaac	accattatgg	aatataaaac	60
tcacaccgac	agcatcaagg	cctgggagga	gtttcatggc	ctggtgaaca	gcagcgggcg	120
ctgatcgga	gctccccctc	tgtctctcac	actcagggga	caattcaagc	tttcgaaata	180
caaaaatcac	attgtgagag	tacacaagct	ggcaataatc	cttttctgta	tgtgtgtgtt	240
tgtccgaaat	ggatgggagg	cctccagcca	gtccttccat	tgctcactga	agggacgtcc	300
ctgagccgtg	cgctctcctt	ttgcactcat	tctggagga	cggattccgc	tagacaccct	360
ccagcatcgc	tgactttata	aagcggaaaa	acggaaaacg	tgactttgta	atagacaaac	420

attgtttttt	aatgggggttc	catggggggg	cgttcagcct	ttctgtttgc	tgtgtgctgt	480
ccagatgcct	cttgggcgtc	ctgttggtct	cttcccgtgt	tgtacgaagg	gtaccgtggc	540
caogtgata	tgccagagct	gttgatgaga	gttaccagta	ttatgaatgt	ctgtgcatcc	600
aggaaaagtg	ttctgttggg	gagtcoccaa	atagctgtaa	atgctctctt	ctagctctgc	660
cattaaatta	ttgggacatt	ttgttttc				687

<210> 4791

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (229)...(534)

<223> similar to gi2076891 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4791

acacattctt	atatcagcat	caagactaca	taacagtggg	gtgggttttt	ttgtagagaa	60
catacagaaa	tttgagaaaa	ggatcatcaa	gtattgacaa	agtcagaaac	ttagtactgc	120
taaggaaatt	tatttttttg	tcacttaata	tgataactaa	aacttggtta	aaatctagtt	180
aactactgca	ttataattta	ttatattcta	ttcacagggc	ttcattattt	caaaaatggt	240
gtgctagtgg	gatccctaca	ggatcgctat	gttccttata	actctgcccg	cattgaaatg	300
tgtaaaacag	ctttaaagga	caaacagtca	ggacagatct	attcagaaat	gatccacaac	360
ttgcttcgac	ccgttctgca	aagcaaggac	tgtaatttgg	ttcgctataa	tgatcatcaat	420
gcattgcccc	atacagctga	ttcactcatt	gggagagctg	cacatatagc	tgttcttgat	480
tcggaaatat	ttttagagaa	attctttctg	gttgctgccc	tcaaataatt	ccaatagtat	540
aaaagcattg	ttagcgactg	gacaattacc	tcattcaaca	atgtttcaaa	taatgtatta	600
tattaaaatg	tatgtatgct	gataagttct	aagaaatatt	tatacctttt	tatatggaa	659

<210> 4792

<211> 1455

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (266)...(617)

<223> similar to gi687883 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4792

ggacaggatg	ctggggggact	cggggtaggg	agaatgactg	ggttcctgcc	cttgtgtccc	60
------------	-------------	------------	------------	------------	------------	----

catctgcgct	gcctgccccct	caggtctggt	gacagcagggc	agttaggctg	acagctgcca	120
ggcgtggtgt	cacagcactg	gccggggggcc	ctgtgcaggg	agaggatgag	ggtgggggtg	180
gctcgggtgt	ggcacttggc	tccctgggat	gtcgggagct	gagcttttca	tgctgcccac	240
ggtccccctcc	tgtgcctctc	cccagatcat	cagggctgct	gccgacaggg	acagggagac	300
tgtgcggggcg	aaatccatag	agatgaagtt	cctcacgggc	tacgaggtca	aggtcatgga	360
agacgcccac	ttggatgcca	tcctcatcct	gggggagggc	ttcgctctg	atgagccttt	420
tgatttttggc	actcagagca	ccaccgagaa	gatccacaac	ctgattcccg	tcattgctgag	480
gcaccgtctc	gtccccccac	ccgaggaaac	ctactccctg	cacaggaaga	tgggggggtc	540
cttctctatc	tgctccaagc	tgaaggcccc	cttccccctg	aaggccatgt	tcgaggaggc	600
ctacagcaac	tactgcaaga	ggcaggccca	gcagtagggc	tgcgggccac	gcccaggccg	660
gctccgcggg	aactctctcc	ctcagacagg	ccaaaaacca	gtagcgaggt	cgtggtgatg	720
ctcttttttaa	ctcctttgcc	caataagggg	ggtggtgccc	tggagccccg	tagccagcgc	780
tttccacggt	ttctgttget	aaatggttgt	agggtgagaa	gtgcaagaat	gaagatgaag	840
ccccactgct	cggtcagtct	gcctccgtgt	gtcctctgaa	ataagcagat	gaagatgaaa	900
gggcaacttt	gttttcttct	ttttcctgat	gtgaatgtta	agcagaaggg	agagagtcc	960
tactcccttc	caatctctgt	tcagtgcaaa	acccagaaac	atgaacagat	acgattgtgg	1020
gattttttatc	atctgtgtag	taggtgtgtg	tatgtgtttc	tagagtgaga	tttgtgtttt	1080
ctgccctttt	cctctccagc	cgatgggctg	gagctgggag	aggtgctgag	ctaacagtgc	1140
caacaagtgc	tccttaagcc	tgcgaggccc	aggcctgtgg	ggctggttct	cacctttgac	1200
agctgaatgt	tcctaaagaa	ctgctgcccc	acagtgaggg	tgggagcagc	ggaacaggga	1260
atgccagaca	caggtctgct	gctgctggaa	ggcgggggtg	gacttccttc	ctctgtccgg	1320
agaggcacag	gtgtcaccag	ttccagccaa	aggctcctca	caggcgctgt	gaatttttgt	1380
acaagtcttg	taattatcga	atcaacaact	tgcttcaatt	taataaaaaat	gctcatggga	1440
agtgcacaaa	aaaaa					1455

<210> 4793

<211> 1483

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)... (1485)

<223> similar to gi4884132 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4793

gttgacactt	tgtggtgata	tccaactaat	gctggcccag	aatgcaaata	atagagcagc	60
acaccttgaa	gagtttcat	accaaacaaa	agaagaccag	gagatcctgc	atagccttca	120
cagagagtcc	agttgccaag	gatttgcatt	ggcaactgat	ttgtctacag	acttagaaaag	180
tcaactctct	gttagttgta	aatgttatga	ggctgcta	gaaatcttgc	agtttaggga	240
cttgaaaagc	caaaatccag	aacactatgt	acaagtatta	aagagaatgg	gtaacattag	300
aaatgaaatt	ggtgtgtttt	acatgaatca	ggctgctgca	ttacagagt	agagactagt	360
gagcaaatct	gtgtctgctg	ccgagcaaca	gttgtggaaa	aaaagctttt	cttgttttga	420
aaaggggaatt	cacaactttg	aatcaattga	ggatgccacc	aatgccgccc	ttttattatg	480
taacacggga	aggctcatgc	ggatttgtgc	gcaggcccac	tgtggtgcag	gggatgaact	540
gaaacgtgaa	ttttcaccag	aagaaggctt	gtattataat	aaggctattg	attactattt	600
gaaagcgcta	aggtcattgg	gaacacgaga	catacaccca	gctgtttggg	attcagtga	660
ctgggaattg	tccactactt	actttactat	ggcaactcta	cagcaagatt	atgctccgtt	720
atctagaaaa	gctcaggagc	agattgagaa	agaagtca	gaggccatga	tgaagtcctt	780

aaaataactgc	gatgtggatt	cagtgtctgc	tgcacagccc	ctttgtcagt	atcgagctgc	840
aaccatccat	cacaggctgg	cctccatgta	ccacagctgt	ctgaggaatc	aggttggtga	900
tgaacacctt	aggaaacaac	accgggtgct	ggcagatctt	cattacagca	aggccgcaaa	960
gctgtttcag	ctgctgaaag	atgctccctg	cgaactgctt	agagtacagc	tagagagagt	1020
agcatttgct	gaatttcaga	tgaccagtca	gaatagcaat	gttggaaagt	tgaaaacact	1080
atctggggct	cttgatataa	tggtgagaac	tgagcacgca	ttccagctta	tccagaagga	1140
gcttatagaa	gaatttggcc	agcctaagag	tggtgacgcc	gctgcagctg	ctgatgcttc	1200
tcctagtctc	aatcgagaag	aagtgatgaa	actcctcagt	atatttgagt	ctcggttgtc	1260
atctcttctc	cttcagtcca	ttaaactgct	atcttcaact	aaaaagaaaa	caagcaataa	1320
catcgaagat	gacacaattc	tcaaaaccaa	caagcacatt	tactcccagc	ttttgagagc	1380
aactgcaaat	aaaaccgcga	ctcttctgga	aagaatcaac	gttatcgtec	acctgctggg	1440
ccagcttgcc	gccggcagtg	cagcgagcag	caatgccgtt	cag		1483

<210> 4794

<211> 1431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (73)...(577)

<223> similar to gi3806122 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4794

tgatagccca	gcttgacgca	gggtgcggcc	caggacgctc	ttcctaactc	aggetctccc	60
cgccccgccc	ctgcagtgca	agtcctgggtg	gatggagctc	cggtgcgcat	tgagctctgg	120
gacacagcgg	gacaggagga	ttttgaccga	cttcgttccc	tttgcctacc	ggataccgat	180
gtcttcctgg	cgtgcttcag	cgtgggtgcag	cccagctcct	ttcaaaacat	cacagagaaa	240
tggtgcccgg	agatccgcac	gcacaacccc	caggcgcctg	tgctgctggt	gggcacccag	300
gccgacctga	gggacgatgt	caacgtacta	attcagctgg	accagggggg	ccgggagggc	360
cccgtgcccc	aacccagggc	tcagggctctg	gccgagaaga	tccgagcctg	ctgctacctt	420
gagtgtcag	ccttgacgca	gaagaacttg	aaggaagtat	ttgactcggc	tattctcagt	480
gccattgagc	acaaagcccc	gctggagaag	aaactgaatg	ccaaagggtg	gcgcaccctc	540
tcccgtgcc	gctggaagaa	gttcttctgc	ttcgtttgag	cagctatggc	tgcatagcaa	600
gtagtaggca	ggaggccaaa	gacttctgag	acctggggca	cccgggcctt	tgccgagct	660
actggcaggg	cctggccacc	tcataggact	cagttccctt	ctgaacactc	gggggacatg	720
ggcctctaac	tgcccactct	gatatgcctg	ggtgagccta	ggagggaagg	ctctgatttg	780
gattttctcca	gtcaaaagctc	acagaaaaaa	acctggcact	ttgattttca	tgggatggtc	840
ctaacagggt	cagtcacctc	cgagcagttt	gggaacccag	tttcttgctc	tgggcccctca	900
ggtcagcctg	gctgaattag	gacccttcct	tggcacaggg	gtgagaaaaga	gcttggggaa	960
cgcttggcat	tatggagggc	tggaaagggc	tcaaccccgga	tttgagagaga	agtttgggat	1020
ggagtgggcg	agagattgag	agagcgagca	ggaaaagagg	tcttgagagcc	tgggactgat	1080
ggtggataag	gcctggaaaag	aagatgacga	ggaggaggag	agagggaagt	ggggtggatg	1140
aggagcaggc	tgacacctgg	gctgccctca	atccccaaag	ccaggggagg	cggggctggc	1200
ccctgggaag	aactgggtct	ctgggctccc	taggcactgc	ccaaactggc	tgagccagga	1260
gtggggcagg	aagtgagagt	caaggcccag	caaaaggagg	gggaggagct	gcaaattaga	1320
acctgaagga	ggaccgggtt	ggggatcatc	cctttcctca	aggtcacaca	gcctagaagc	1380
tagagcagtg	cagagtctgc	aaataaaacc	ttaagtctgt	gaaaaaaaaa	a	1431

<210> 4795  
 <211> 585  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(280)  
 <223> similar to gi806296 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4795

cccacgcgtc	cgctggaacg	aggccccctcc	gggctgggga	tgggcctgat	cgacgggatg	60
cacacgcacc	tgggcgcccc	cgggctctac	atccagaccc	tgtccccggg	cagccccgca	120
gcggccgacg	ggcgccctgtc	gctggggggac	cgtatccctgg	aggtgaatgg	cagcagcctc	180
ctgggccttg	gctacctgag	agctgtggac	ctgatccgtc	atggcgggaa	gaagatgcgg	240
ttcctggctg	cgaagtccga	cgtggaaaca	gccaaagaaga	tccatttccg	cacgccccct	300
ctctaggggg	gctgcgagga	cacccccaca	ggccccggcac	ccggtccca	ctggtgacac	360
tgggcttcc	cccgcccttcg	tccctgtttt	gtaactgacc	aagttgggtc	ccgggtgggg	420
agcctcacc	tggggacatg	cctgttgata	acatgcatct	cagtgtagg	tctatttata	480
tggcagatga	cgtgaaattg	tgatgtttgt	tacagagctt	ttatgtttaa	agacttcaat	540
ggagaagtac	ggttcaataa	actatttttc	ccgttaaaaa	aaaaa		585

<210> 4796  
 <211> 2061  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (161)...(1451)  
 <223> similar to gi289760 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4796

ctcggaccca	cagagccggc	ccctgctgct	gctcgggcag	ctgcaccacc	tgcaccgcgt	60
gccctggagc	cacgtcccg	ggaagctgca	gccccgggtc	accgaggagc	tctggcaggc	120
tgccctgagc	acgtcaacc	ccaacccac	ggacagctgt	cccctctacc	tgaactacgc	180
caccgtggct	gccctgccct	gcagggtag	ccggcacaac	agccctcgg	ccgcccactt	240
catcacgcgg	ctggtgcgga	cctgctgcc	gccccggagc	catcgctgca	ttgtgatggt	300
ctgcgagcag	ccggaggtct	ttgcttcgc	ctgtgccctg	gccccggcct	tcccgtgtt	360
caccacccgc	tcaggtgcct	ctcggcgctt	ggagaagaag	acggtcaccg	tggagttttt	420
cctggtggga	caagacaacg	ggccggtgga	ggtgtccaca	ttgcagtgt	tagcgaatgc	480



cacagacggc	gtgcggttag	cagcccgcat	cgtggacaca	ccctgcaatg	agatgaacac	540
cgacaccttc	ctcgaggaga	ttaacaaagt	tggaaaggag	ctggggatca	tcccaaccat	600
catccgggat	gaggaactga	agacgagagg	atcttgaggga	atctatgggg	ttggcaaagc	660
cgccctgcat	ccccagccc	tggccgtcct	cagccacacc	ccagatggag	ccacgcagac	720
catcgccctg	gtgggcaaag	gcacgtctta	tgacactgga	ggcctcagca	tcaaagggaa	780
gactaccatg	ccggggatga	agcgagactg	cggggggtgt	gcgcccgctc	tgggggcctt	840
cagagccgca	atcaagcagg	gtttcaaaga	caacctccac	gctgtgttct	gcttggttga	900
gaactcgggt	gggcccgaat	cgacaaggcc	agatgacatc	cacctgctgt	actcagggaa	960
gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcgtgtc	1020
ctatgcttgc	aaggacctgg	gggccgacat	catcctggac	atggccaccc	tgaccggggc	1080
tcagggcatt	gccacaggga	agtaccacgc	cgcggtgtct	accaacagcg	ctgagtggga	1140
ggccgcctgt	gtgaaggcgg	gcaggaagtg	tggggacctg	gtgcacccgc	tggtctactg	1200
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ggaccgagac	aacagcccc	gctcctgtgc	tggcctcttc	atcgctcac	acatcggett	1320
cgactggccc	ggagtctggg	tccacctgga	cattgctgca	ccggtgcatg	ctggtgagcg	1380
agccacaggc	ttcgggtgtg	ccctcctgct	ggcgtctctc	ggcgtgcct	ctgaggaccc	1440
tctgctgaac	ctggtgtccc	cactgggctg	tgaggtggat	gtcgaggagg	gggacgtggg	1500
gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcgccctg	acaaacgggg	1560
atcttttacc	tcactttgca	ctgattaatt	ttaagcaatt	gaaagattgc	ccttcatatg	1620
ggttttggtt	tgtctttctg	gtcgtcagcg	tgggtggtgga	aacagctgaa	gttttaggag	1680
acagcttagg	gtttggtgcg	ggccacgggg	aggggaccgg	gaagcgctgg	ggcttgtttc	1740
tgtttgttac	ttacaggact	gagacatctt	ctgtaaactg	ctacccctgg	ggccttctgc	1800
accccggggt	gaggcctcct	gcctgcctgg	tgcctgtcc	cagccccagg	tcctgtgcag	1860
ggcacctgcg	tggctgacag	ccaggctcct	actccagccg	gggctgccag	cgcattccagc	1920
cagcccagcc	ctgtgaaaga	tggagctgac	ttgctgcagg	ggacctgatt	tatagggcaa	1980
gagaagtca	actccggcct	ctcagaattc	acttgaggtt	caattaaata	cagtcacacc	2040
gccccctcaa	aaaaaaaaa	a				2061

<210> 4797

<211> 1990

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1993)...(1530)

<223> similar to gil213639 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4797

tttttttttt	ttccaggtgt	ggatttttat	tttcacaaaa	agacaacaat	gtcttcccca	60
catacaagta	tttacaaaac	ccaactgatt	cacccatcta	gaacctgggt	ttttttccac	120
ttctcaacat	agttgggaac	atggaaacat	taatacccac	acaattccca	gagatggaat	180
ttatccatca	aacaaacagt	gcagattacc	taaaagtgca	cttacctgca	caactcggtc	240
taagaacctt	gtgaaacaaa	cctcatggcc	aaggtttcat	gaatctattt	ggtttcatac	300
catgcaaacc	tgaacaagt	tgctgttaca	ctaaactgaa	aatcggttct	cattttacaa	360
ttaaaaaggt	tctcaacact	ttagcaacta	tacagaatat	gaaggtttat	ttcaaaaaag	420
attacatttt	tttaaaccag	gatacacaga	tgcacttaat	gtaacagtac	cttctgcaaa	480
aataaggttac	ataatactca	gaaatgcaat	gaacaatctt	attctctaaa	aattagacag	540
ctaagacttc	ttaagtgtag	acagccttca	aatggagggc	tgaaaatgct	tggtaaaaag	600

aagtaactct	agagccagac	accacagagc	taaggctgca	aattaaacca	ctaccacaca	660
gctgcaaaact	actctttata	ttcacacagc	gttaaaca	acgacttcaa	ttccatcttt	720
tcaaagtgtgc	ctcgggtgctg	caagaaaaaa	agttgaatga	tacacaaaac	tattaaaagt	780
tacaacagaa	ctattttaaac	atcttctcca	aaattgagaa	aagcaatcat	gttaaatttt	840
taaaaagaaa	agtctgacag	aactctcaag	caagtcagag	gtcctcttca	taagtagtca	900
agtaaagttt	acaggagatt	tcaataaatt	atcttaaaac	cttggcagag	agctcatttt	960
cagaatcgtc	gcggagggtcc	acccttaaat	ggcttaaatc	cggagccact	tcctcttggc	1020
atggaattgc	cactgatttg	tacaattcta	ttaattgggg	atgcgttact	tgaatgttgg	1080
gttatcatgc	ctgctcctgc	ccggccgtca	cccattcgcc	tcgtatcatg	atagctaggc	1140
ccttgagagg	gtggaccatg	ccactctttc	cttggtcgcg	ttgtgtcccg	tccatggcgt	1200
tcaaccacat	gtcgtcctc	aggatagtgc	tgtgatccac	ctcctcggtc	tgtgatgact	1260
cctctgtctc	cctctctgct	cccgtacccc	gaagcgtctg	tacgattccc	agggggagcg	1320
cctctcacac	tgtgccctga	tacttctctc	ccagatcggt	ctggcctttc	aactcttgtt	1380
tcccgtttgt	cagtggacat	gcttccttca	cttttccagc	tgggtgggtct	ggaaggattg	1440
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gttctccttt	cgtctcgctc	ccctcgctact	tctcgctgt	ctgattctct	aagttcattt	1560
cttgggtggtg	gaggtcatt	tcttctggag	tactgaaat	ttttgggata	tctttcgaag	1620
cttggatctt	cccttcgtgc	agtaggtcgt	gcttttttcc	cctcactttg	accaacaaag	1680
cgatcccgcc	tttcaaaaga	tgaagactgt	actgctgaac	tctcaggaaa	cctgcccctc	1740
tctcggtgat	caaagtcatt	aaatctgttc	tgttggcgag	agtagtcgga	tccatggcca	1800
aatcgtgcat	ctgtatctag	agacaacttt	ttattctcgc	tccagtaagg	atcatctcgc	1860
ctatgatcta	catcacgtgg	gcgtttcaag	gaattccttt	tttcttgttc	ataacgaagc	1920
tgctgttggt	gccttctgag	ttcctctctt	tctcgagcaa	tcggttcagc	ttccttacga	1980
cgttcctggt						1990

<210> 4798

<211> 2963

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1638)

<223> similar to gi4378020 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4798

caggaaatga	aagggattgg	gacacccct	aacactaccc	ctatcaaaaa	tggctctcca	60
gaaattaagc	tgaaaatcac	caaaacatac	atgaatggga	agcctctctt	tgaatcttcc	120
atthgtggtg	acagtgtgtc	tgtgtgtct	cagtcagaag	aaaatggaca	aaaaccagaa	180
aacaaggcga	gaaggaacag	gaagaggagc	ataaaatatg	actccttgct	ggagcagggc	240
cttgtcgaag	cagctcttgt	gtctaagatc	tcaagtcctt	cagataaaaa	gattccagct	300
aagaaaagag	cttgtccaaa	cactggaaga	gacaaagacc	acctgttgaa	atacaacggt	360
ggtgatttgg	tgtgtgtccaa	agtgtcgggt	tacccttggg	ggccttgcat	ggttttctgca	420
gatccactcc	ttcacagcta	taccaaactt	aaaggtcaga	aaaagagtgc	acgccagtat	480
cacgtacagt	tcttttggtga	cgccccagaa	agagcttggg	tatttgagaa	gagcctcgta	540
gcttttgaa	gagaaggaca	gtttgaaaaa	ttatgccagg	aaagtgccaa	gcaggcaccc	600
acgaaagctg	agaaaattaa	gctattgaaa	ccaatttcag	ggaaattgag	ggcccagtg	660
gaaatgggca	ttgttcaagc	agaagaagct	gcaagcatgt	cagtggagga	gcggaaagcc	720
aagttcacct	ttctctatgt	gggggaccag	cttcatctca	accctcaagt	agccaaggag	780

gctggcattg	ctgcagagtc	tttgggagaa	atggcagaat	cctcaggagt	cagtgaagaa	840
gctgctgaaa	accccaagtc	tgtgagagaa	gagtgcattc	ccatgaagag	aaggcggagg	900
gccaaactgt	gtagctctgc	agagaccctg	gagagtcacc	ccgacatagg	gaagagtact	960
cctcaaaaga	cggcagaggc	tgacccca	agaggagtag	ggtctcctcc	tgggaggaag	1020
aagaccacag	tctccatgcc	acgaagcagg	aaggagatg	cagcatccca	gtttttggtc	1080
ttctgtcaaa	aacacaggga	tgaggtggta	gctgagcacc	cagatgcttc	aggtgaggag	1140
attgaagagc	tgctcaggtc	acagtggagt	ctgctgagtg	agaagcagag	agcacgctac	1200
aacaccaagt	ttgccctggt	ggcccctgtc	caggctgaag	aagactctgg	taatgtaaat	1260
gggaaaaaaa	gaaaccacac	aaagaggata	caggacccta	cagaagatgc	tgaagctgag	1320
gacacaccca	ggaaaagact	caggacggac	aagcacagtc	ttcggaagag	agacacaatc	1380
actgacaaaa	cggccagaac	aagctcttac	aaggccatgg	aggcagcctc	ctcgctcaag	1440
agccaggcag	caacgaaaaa	tctgtctgat	gcatgtaaac	cactgaagaa	gcgaaatcgg	1500
gcttccacgg	cagcatcttc	agctcttggg	tttagcaaaa	gttcatctcc	ttctgcatcc	1560
ttacttgaga	atgagctttt	gtgggagccc	acaccagtca	agttggattt	gaaccagct	1620
gctctgtact	gcacttagaa	tgatgtaata	ttccaggatg	ctgctgcagg	tggcgtatca	1680
tcgtacacac	tcagtgcacat	ttctatcaca	atcattttat	ggaagatgtg	tgataatctg	1740
tttttactgg	tattaataaa	cacatacaat	gaagaaaaca	gataacaaat	tttaagacca	1800
aggtaaagata	actaatcaag	gccatttaat	ccgtcacatt	catctcataa	tagaaacacg	1860
ttcatattcc	agtgggtcaat	gtagatttca	agttgaaagg	cagtcccttt	agttgggggc	1920
tgtccagagc	tgcagcaggg	ctttgcacgg	aaggggtggc	cctgttagag	ttgcttctcc	1980
tctagtttgt	aacttactgg	acttttgtgg	aaaatatcag	cgtcgctacc	ctcagaaaca	2040
aactaacagc	acacgttagg	aggagtcctc	atcagctggt	ctcattgcc	gtgagatata	2100
ttcagtattg	tagatactac	actaatttcc	aacataagag	gcaggaagag	ttttgattct	2160
atcctttttt	actaaacagt	tttattatga	cactagatac	agtaaatttt	tagaaaaaaa	2220
taccatttac	agtattattg	tgaaccattt	aacccttttg	atccaaggcc	ccggaccaag	2280
gggatactgt	aatcagggtta	tgtacaccaa	cctctgcac	agttgcttct	atagagcatc	2340
agccctcatg	tttcattgtc	ttaatgtcgg	ggagcagcct	ggtgtcctgc	cccagggtgc	2400
cgcatttttg	catggtaagg	agaaggctta	cttgcccttc	agctcataaa	agcagaaggt	2460
gtgctattca	cagtaccatg	cgagtagccc	acagttaatt	cccggcagat	tctttggctg	2520
tgttttatct	ttaatgaacg	tttctgacta	atattttgtt	gtaaaccatt	aagtaatgta	2580
acgcatgtaa	gatgcttagg	gtgcctggcc	aggactccgt	ggtttctctg	tgtgacagta	2640
ataatggtta	taataataaa	aatgataaaa	ttgccatcat	tctattttta	tccaaaagta	2700
taaattttgc	tttggcatga	aaagtgggtc	tcttgactgc	attatgcatg	cgaggatgaa	2760
ataaacctag	aagtggcaga	acactggatt	tgtgtgtgtg	gcgctttagg	gtgctggact	2820
gtatggctga	gggctgggtg	ggttcctcta	ttggctctgc	tcaaagtgtg	caggatacat	2880
agccccaaag	atggtctagg	agcaatctaa	gctgtgttac	tccaaaggac	atgaaaaagc	2940
tcaagagtaa	aattaaaatt	ctc				2963

<210> 4799

<211> 1588

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1591)...(537)

<223> similar to gi3249085 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4799

tttttttttt	ttgcagaacc	ttgaaataaa	acatgtttta	cagtaagttc	acacacaggc	60
ttaatgcaaa	ccagagtaat	gcacagatga	ttgccaaagac	catattgaca	aattgtgatt	120
agattataac	gcatagtagc	ctgccttaca	ttcagcaagt	tcaaacagga	cacaaaacca	180
gtcaactgaa	cacagagcag	ctctcttcag	aagcacttcc	aatgagtgat	gcagagattt	240
caaaaataca	aagcaggcaa	cttatataca	gcaaatcctc	acactgcctg	gacatgtgcc	300
acttttttgt	tgtttttaat	atatttttcc	ttcctgggtg	ctaatttaga	ctgaattctt	360
aaggatttat	cttgatgact	tagaaaaata	cacctgtcct	ttctcacttt	gtttcaggta	420
gtacagtcac	gaaattgagt	aagtctctta	aaaaaatgaa	agtccacaga	tcccattgtg	480
gaaggtttca	ggaacccctc	cccaggtaat	gatcacggga	tcttcaacag	ctcaaggagt	540
gctccaacag	ctccaaaata	accctcgtgt	tccgaaaaaa	gtgctttcaa	ctgccccttg	600
gaccaataat	ccaaagcata	tgccaaaagc	cgcatggcga	tcgtattaat	tctcaagaaa	660
tttccaacaa	ataccacctg	gttaatgttt	tcattaaggg	cacacattct	tgctattgag	720
ccaatgttgt	tggtgatggg	gatcaaaagtc	gctctggcca	ggctctcttt	actgacagcc	780
tctcgcttct	ccttgctcat	catgtttcca	aagcttgaag	ccacagccca	gcctggcagt	840
ccaaacctct	catagtcccc	tccataaata	tctcgtacta	gtttatccac	tttgggtgcta	900
tctccacgag	atgccatttc	aagagcttct	tcaaaagtgg	tacagccagt	aagaagacag	960
cagagacca	aaaaagttcc	tcctccaaga	ctagtacctg	tgacctgtt	gtaattatct	1020
ttggaatata	ctgctaagat	gctaaccctt	gagccaatgt	tcaccagaag	cagaggatac	1080
ggatttttca	aatcaaatgg	taacttctga	cacttttcag	aatcagcagg	gttttcaaag	1140
taatagcact	gtgaccgtcc	attgaatccg	actgagtcaa	tgtataaaat	tcctttgatc	1200
aagcaatcta	gttcatccag	tttgcaaagc	tgaagatcac	ctattgtgag	aaaatcctgc	1260
tcaaatttgt	acgctccacc	tccagtggca	caaaagacag	tgtggagact	cgagaagttt	1320
ttatctctgc	ccatttgaat	aaaagcaggc	atgtcatgag	tgggaaagcg	tataaagtgc	1380
agattgcctt	tgcgtccaca	cagagtcagg	tccttcagct	cgaggtgcac	gtcccgaatg	1440
cctgtagacc	cataagccac	attggaggtc	aggtacttcc	gaatgctttt	aagactttcc	1500
acttcttcct	cttcttcttc	agcagtgatg	tctttgggtt	caaaatatac	cagcttgacc	1560
agagttccac	cgatatccag	tccaaacc				1588

<210> 4800

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (18)...(37)

<223> similar to gi5262860 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters.

<400> 4800

tttaagcaag	gtcatgccct	ggatttcagg	gaggctttgc	aaaaactcaa	aaaaaaaaa	58
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<210> 4801

<211> 1199

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1200)...(976)

<223> similar to gi3002527 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4801

tgccgctagc	cgcctgggaa	tttaagggac	ccacactacc	ttcccgaagt	tgaaggcaag	60
cggtgattgt	ttgtagacgg	cgctttgtca	tgggacctgt	gcggttggga	atattgcttt	120
tccttttttt	ggccgtgcac	gaggcttggt	ctgggatgtt	gaaggaggag	gacgatgaca	180
cagaacgctt	gcccagcaaa	tgcgaagtgt	gtaagctgct	gagcacagag	ctacaggcgg	240
aactgagtcg	caccggtcga	tctcgagagg	tgctggagct	ggggcagggt	ctggatacag	300
gcaagaggaa	gagacacgtg	ccttacagcg	tttcagagac	aaggctggaa	gaggccttag	360
agaatttatg	tgagcggatc	ctggactata	gtgttcacgc	tgagcgcaag	ggctcactga	420
gatatgccaa	gggtcagacc	cttcgccagg	gcaggacccc	acttctcaga	tacaaagatc	480
tgtatccctt	gaggccctcc	agaggttatc	tgcccatcat	ctcaccatca	tggaactcac	540
ccttgaatct	ccagtagttg	acaaatctga	aatggcagaa	aggggaaggg	aggggtgggg	600
tggtgagctg	ggctgatgcc	aaattcttaa	tctctcaggg	tcagagtcag	accatggcaa	660
cactgaaaag	cctagtgcag	aagggggtga	aggtggatct	gggatccct	ctggagcttt	720
gggatgagcc	cagcgtggag	gtcacatacc	tcaagaagca	ggtaggataa	gtcactgccc	780
catccaggga	ggtgagaagg	gaacctgaga	ggggagctag	gttctagggt	ttgactatag	840
gggatgtcta	cccctaagca	tggggaaggg	ggcagagtga	ggactgtgcc	attgattaaa	900
gtgggtccag	gagcggtggt	gtgcggtggc	tcacacctgt	aatcccagca	atttgggagg	960
ctgaggcagg	tggtacacct	gaggtcataa	gttcgagacc	agcctggcca	acaaggcaaa	1020
accccgcttt	taataaaaac	acaaaagtta	gctgggcgtg	gtggtgcacg	cctgtgatcc	1080
cagctacttg	ggaggctgag	gcaagagaat	tgcttgaatc	caggaggtgg	aggttgccat	1140
gagccaagat	cgcaccattg	cactccagcc	agggcgacag	agcaagactc	catcttaaa	1199

<210> 4802

<211> 869

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (172)...(576)

<223> similar to gi3880459 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4802

gctggagaaa	cgcgggctgc	ggctcctgcgg	tcctggactt	ggccccagac	agccggcagg	60
gtcgtggcca	gaacgccggc	cgggaccatc	tgcacaggcg	ctcgacagct	ccaagacgct	120
gcggccaagc	agaaagttag	acagaacgcg	gctcccagcc	acaccaagtt	cagcatttac	180
cctcccatc	caggagagga	gagctctctg	aggtggggcag	gaaagaaatt	tgaggagatc	240
ccaattgcac	acattaaagc	atcccacaac	aacacacaga	tccaggtagt	ctctgctagt	300
aatgagcccc	ttgcctttgc	ttcctgtggc	acagagggat	ttcggaatgc	caagaagggc	360

acaggcatcg	cagcacagac	agcaggcata	gccgcagcgg	cgagagctaa	acaaaagggc	420
gtgatccaca	tccgagttgt	ggtgaaaggc	ctggggccag	gacgcttgtc	tgccatgcac	480
ggactgatca	tgggcggcct	ggaagtgatc	tcaatcacag	acaacacccc	aatcccacac	540
aacggctgcc	gccccaggaa	ggctcggaag	ctgtgatggg	aaggaggcct	gcacttggac	600
ctgacctcaa	gcctcagctc	cagtgggacc	ttgtaaaatg	ctccctgtca	gagctctcca	660
gaatatgctt	gttggagatc	cttcaggcag	taaggagag	ttttgcctcc	ttacacagt	720
gcctttgctt	gcacctccag	ctggagatgg	gtgtgcccc	gaagtaagct	ttgcatctct	780
tacaagaggg	gagctacagg	ggcagccgtg	gcctaggccc	aaactctgct	ctgagaaaa	840
aaatatctgt	accacctgta	aaaaaaaa				869

<210> 4803

<211> 1628

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1629)...(760)

<223> similar to gil263110 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4803

tttttttttt	ttacaacaag	tccaacacat	atgctttatg	gttctgtttc	aaaaacatga	60
aaacccaggc	ccctaggatt	caagtgatgt	tgagaggcag	aaaggatgga	gaagttgttg	120
gcgccagcat	gtggggcaag	cagccagacc	tcaggccctc	actctaggct	tcaaggtggc	180
tgggcttgac	ttctggccaa	gggctgcttt	ttccgcctg	cggcccacct	gaggccagac	240
cttgccctgag	gaaagggcct	gtggtggggg	ggggaaagct	caggcagaag	gaagacgtgg	300
ccaacggcca	tctcctgagg	aggttaattga	gcagctcctg	gttccggcaa	gggcgggtggg	360
taaggagcca	ggcccagagga	agtcttaagg	gtccctctc	cacaagctct	ggtggggccc	420
cctgctcccc	tagccaactg	ggttgcctca	ctgccttcta	tgctccctcc	tgaagccagc	480
ccctgggaga	gaacatctga	aggcaagaag	gaaagagagc	cctgcctaag	cttcttccctc	540
cctgcttggc	caagtgggag	aagcagctga	ggtcctttgt	gtaactgagg	aagcacggag	600
gagctggaat	gcctaccagc	tcggagaggg	cacttgagag	ggtctatgaa	caaactctgtc	660
taaaagccac	gtttgagcta	aaagcatcag	tccatccctc	agccccagct	ctgtgcgggc	720
caagaatcca	gaaggcagca	agcaaggcct	atctcccaag	cctggagggtg	gttgtggagc	780
tgctctgect	gagtcttcag	atgctggaat	tcctcttgaa	tgaagtccgt	cagggctttc	840
cgcatctcca	cagccgactt	gttctccgcc	cggagccgct	cgagtacagg	cagggcactg	900
aagggcttcc	cgatcagcac	agtgattttc	tgtccaaagc	gggggaagta	gggcggactg	960
ttaggaagga	cgtcattcat	tccgacatgc	cacaggggca	ggatgatggg	gttgagatga	1020
cactcagcaa	tcaggcgccc	gattccccac	ttgaaacgca	ggaattcgga	actcatgttc	1080
actttccctt	ctgggaagat	atgcacccag	tccccatggt	tgagcttctc	caaaatgaag	1140
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tgcttgcttg	tgtctagaac	acctttcccc	tcattctctg	cttggaaaaa	ttctgctcct	1260
cggcacacag	gcacacactt	gcccagctg	aagaagtggg	agtgtagctc	cttgggtgaag	1320
cagatgtctg	cagctgcagg	ggtccaacgc	atcaacttca	ggttccagat	gtggcggagt	1380
ttcaggatcc	cccagagatg	agggtcgctc	atgcaggact	ggtgattgga	cacgggtgatg	1440
aggggcgtgg	ccgggcctcg	cttctcgatg	agctcgtaga	gcacctccct	gttgtgcacg	1500
gtcagggtgt	tcatgtactt	ggtccagaag	cagctgtagg	tgcccaccaa	gcccagacg	1560
acgctgctgg	ccagggtcca	ggtgagcggc	ggcaccgcgg	ggaacggcca	cttcacgtgc	1620
agaggcat						1628

<210> 4804  
 <211> 1337  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1337)...(615)  
 <223> similar to gil420591 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4804  
 gaacacaaaa ctgaagatta ataaaaaacac atgactggag actgaatgta aatcctatgt 60  
 gactgaatgt gaattatatg ctttggggaa atactgatta ttccaaggct aggtgacact 120  
 ccctcattct tccccaaacc cctgggcccg gaagactgaa gaaaagtgtg gaagtcacaa 180  
 aaagtagaaa ataaactctt gtattgtagc acatttcac acagcctgac taggaccagt 240  
 gctcgacttt ctggtggcag ggcccagagc tcacggacac cactgacagt atgggggggtg 300  
 ttctgcttgg caccatgtct ggctttttgg ccagaagtcc tttgcagagc tgaatatccc 360  
 cttgccagcc cgccagctct ggctgggagg acttgetctt gggctctgag cctgcatcag 420  
 gagcctccac tttccccagt gctggattat gcacctgct ctccagggtc caccttgttg 480  
 ctacagctgc atggcttctt gctccactga ctggttcgag ggtgccaggt acttctcctg 540  
 gatgccaggt gtggaagaga aatggaagtc ggctccatt gcggcagaca tcatggcttc 600  
 caagcttcgc tgctcttggg ctctgaaaca gtatccattg gctttatcca cagcctgcag 660  
 gactcgctgg atgctctctt tgtcctggat gttgagaggg ataaaggaga caaggctata 720  
 gtcttcgatg agctgcacta gcttctcatt gagctggcgg tagtggcgga agaaagggtc 780  
 agaagccagg tgggtcaagca ggtaggagag gtccagaacc tctgtgtagt agtccagggt 840  
 gaaggccagc ttcccataat gctcaatgag gtccatcttg gaaaggaggt tgatgtgggg 900  
 cagttccacg tgcagcatgg tggccaggga ggtacacagt actgaaatga acttggcagg 960  
 gtctgtgcag tagtgagaat ccacgagggt gacggcagtc agcctgaggt cccactgcgc 1020  
 catthgggag aagatgctgc gcaaggcgcc gtgatgcgtg cagagctcca cctggcctgg 1080  
 gcagtcgaag aggaagtagt ggccgcggag ggggtcgagc ttggcagca gccagtccag 1140  
 gttggcttcc aggtactcca tgcagtagag caggccgccc ttgggccccca ggcgacgcg 1200  
 tgccatcacg tcgcccagcc ccaccagctc gccacgtcc acggcacact cgtacggcag 1260  
 cccctcggtg gccgggtcca ggttcaccag cgccacgcgc cggcccagcg cgcgaggaa 1320  
 ctactcatg cccaggc 1337

<210> 4805  
 <211> 1609  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1610)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1598)...(691)  
 <223> similar to gi3877493 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4805  
 ggcccccaaa aaaaaatttt accccgcca gcccggggac ttaaacttgg tccccttaaa 60  
 agggcccccc cttttttttt tttttgaggg accctgtggga ctttattaga taaacacaca 120  
 ccagctccag ccacaggctt ggaccggcca gctgacaggg cgccctcaga cacccttgcc 180  
 gggttccgtg gcccctggcc atggctggaa gcagggttca ggccgcccc cttctgtcta 240  
 gtcctggcag gccccccctc acctggctct gctgtgggag ccgagaacaa agaccccgcc 300  
 tgccccactc cttctgcccc aggggctcag ccagcaccca ccctcacagt ggcttgggca 360  
 ggggctgggg tacaaagcct caccctcccc ctgtgagcca gacggaaaat gcatctccca 420  
 agagtgtctc gaggggaggg aaggaggcct gcccctccct agccagtgcc tacaacaggg 480  
 ggtgccctgg ggggcagaac ggccgaccgc caccacaaga catcctgggg gacagaggcc 540  
 ctgggacacag cccagtcccc atccaggagc atatacctaaa tgtgcagggg ccggcaaggc 600  
 aggggtagga ggggtccgtg gccaggctcc atgaggtgag ggtctcgct tggactccgg 660  
 atagggggtg ctcgacnccg cgcccaggcc cctccgcctt cagccagcgc atcttctgtc 720  
 ggtactgctg gacagcatct tgacacaggg cgtccatcat ggccctcagt aggaccccg 780  
 ccttggaggc atatgccgtg gcctgccagg acacggccag ctgagcgatc tcccggcccc 840  
 acatgccctc cgtcagccga gcgacctcc agcacttctt cccgtagtca aactgggcca 900  
 gcttcaggcg cgttttctt tctgtggccg gcttaagaac acagtgttca aaatgcagtc 960  
 tcaccaggcg ctcccgtctt tctgtgtcgc gcaggctcaa gtggaccatc acgtcaatgc 1020  
 ggctgttgat ggcacagtgc aactgtcag gcagattgct ggccaggacc agcatgaatc 1080  
 tgttgcgtg ttggcccatg tggtagga aggcgttcag tgtggctctg aggtccttgc 1140  
 ttatctctc agtggtctgc ttccgaagga aggcgtccgc ttcattccaca aagagcagga 1200  
 ggccgcgcg gctggtattg gccagtcga agagcttgtg catggcggtc acgccttccc 1260  
 gccccatggg ggccacgtcc ccgcctgtca tgatggcgta gtccatgcct gagtgcaggg 1320  
 cgagtttctt ggcaaacagc gtcttcccgg tgcttgggtg ccctacatc aggatgttcc 1380  
 tgtacaggct gcggttcttc ttggtgttcc ttgttgcata ggcatgtcg cgcacccgtg 1440  
 cttccaggct gggactgagc acaacaccct ccagcgcgtc ctggggtcga ctgaggagcc 1500  
 gccggctgac ctggatgggg tgccgcagcg cctccagcac cgtgatgcgg gacgtctccc 1560  
 tcactagga cggcttcccc agccgagcct cgatgaattc caccgcacg 1609

<210> 4806  
 <211> 1450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (99)...(880)  
 <223> similar to gi3859609 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 4806
cccagaggag agcacgggca ggggtgtgctg gcgttgtgag cgggagtgtc agagacagaa      60
aggacaccaa ggcggggaga gcccaggagg catgagcagg cctgtttgcc gagcagagcc      120
tgcaggcctt gcagcaggag ctggcttggg agtgtgacta ccgtcgtgag gcggcttgtg      180
cccagaattt caggcagctg ctggcaaatg accccttctt ccgggtccca gccgtggtta      240
aggagctgtg cacgacacgg gtgctgggca tggagctggc tggaggggtc cccctggacc      300
agtgccaggg cctaagccag gacctgcgga accagatttg cttccagctc ctgacgctgt      360
gtctgcggga gctgtttgag ttccgattca tgcagactga ccccaactgg gccaaacttc      420
tgtatgatgc ctccagccac caggtgaccc tgctggactt tggtgcaagc cgggagtttg      480
ggacagagtt cacagaccat tacatcgagg tggatgaaggc tgcagctgat ggagacagag      540
actgtgtcct gcagaagtcc agggacctca aattcctcac aggttttgaa accaaggcat      600
tctccgacgc ccacgtggag gcagtgatga tcctggggga gcctttcgcc acccagggcc      660
cttatgactt tgggtcgggg gaaacggccc gccgcataca ggacctcatc ccggtgctgc      720
tgcggcaccg gctgtgtccc ccacccgagg agacctatgc cctgcaccgc aagctggcag      780
gggctttcct ggctgtgcc cactccgag cccacatcgc ctgcagggac ctctccagg      840
acacctacca ccgctactgg gccagtgcgc agccagacgc agccactgcc ggcagcctcc      900
ccaccaaagg ggactcctgg gtggatccct catgacagcc tccatggggg attcagtcct      960
cagagcaggc cgtacctgc tgtagtgcct cttatccctt ccccgctgc cctgggtcag     1020
aggagcccc ttgggcttcc cagtcttgcc tggctctcct ccttgccca ggagctcagg     1080
atccctgggg ctggggaact cccaacttcg tgccctagat cctgcacctc cccactcgaa     1140
agtgggtatc cgaaaactaa gccagggaag cggttaactt atctttgcca acatttgagg     1200
gagccttggg ccgctgcatg tcgttatgca gatcagactc atcaggggga gccctcacct     1260
ctgcctcaag cctcccgtgg aaggcgagat ggtcctggag gcagtcctca cctctgcctc     1320
cctcgtcctt ccaacagctg ccttctcccg ggttccagcc tctcagtgtg ttggaaaggt     1380
aggggtgcgg ggtggggggg agctgaatct tcaatcgga taaaagcagc cctccccttc     1440
aaaaaaaaaa

```

<210> 4807

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(669)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (346)...(176)

<223> similar to gil200072 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4807

```

tttttttttt ttggatcact caggcctcag aatgaggctg ctttattgga agctattctg      60
acatcacttt ccagactgtc tctactgtctt gggaccaggc atgggaggga ggggtgggaa     120
tcttcttgtg attgtgggtg gtggctggag gagtggagtg gtgggaggcg gctcagtcgc     180
gggcactcct gcgactggcg gatgcggtcc ggatggaata agccttcagg agcccaggac     240
ccgcactgct ggagaagctc agggcattgc tgcccatggt tccccgagg gtcagcccaa     300
tgccaccgcc actgctactg ccaccagtgg aattcatcac agctgggaga gaaaagagga     360

```

gggctctctt	cagcgtgagg	ctccctacca	gggaccccat	cccttcaactg	cacccacccc	420
tcctgcccc	gctgcccctc	tccttcaccc	ctgccccctt	ccatggggcca	accagaagg	480
agcatctgac	aggggtaggg	ctgctcccca	gggtgctctg	gccccacct	gccctcttgt	540
agtgtctccc	aggccattga	gcctggcagt	atgtgtccca	ggggacctgt	caatccctgt	600
agaaaggaag	gagtctctg	gccccccag	cgaattccac	cacnctgct	agtggtatc	660
gatctcga						668

<210> 4808

<211> 2068

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (95)...(1404)

<223> similar to gi5052588 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4808

gagtggcg	ggcattt	ggagact	cctggcg	aggctat	cagccagg	60
gtgctggg	acgcggcc	gctggcct	tcgggtct	tcctgcag	taacgctg	120
ttactcaac	accctctt	tggccagag	ggccttcc	agagcatg	tcagtggg	180
caccacgca	gactggag	agaccctca	cctgctgt	ctaacagt	ccctgggt	240
gttttgg	ttattcct	gctggatc	gttgacgt	cttgaagt	ctgatccta	300
tggtgtcc	cactatgca	ctggagtgt	gctgtttg	ctctcggc	tggtggag	360
tctaggag	ccctttt	tcttggca	agcacatat	tttgtgaag	tcaagtgat	420
tgcagagag	ctgtcggt	ttcttaag	cgttctga	gcttttct	tgctgtgt	480
gcctcactg	ggattgtac	ttttctct	ggcccagct	ttctatacc	cagttctgt	540
gctctgct	gttatttat	tcacaaagt	actgggttc	ccagaatca	ccaagcttc	600
aactcttc	gtctccaga	taacagatc	gttaccat	attacaaga	atggagcgt	660
tataaactg	aaagaggct	aactgactt	gagtttttc	aaacagtct	tcttgaaac	720
gattttgac	gaaggcgag	gatatgtg	gacattttt	aatgtattg	actttggtg	780
tcagggtgt	tatgatata	tgaataatc	tggtccctt	gtggccag	taattttcc	840
gccaatag	gaaagtttt	atatatttt	tgctaaagt	ctggagagg	gaaaggatg	900
cacacttc	aagcaggag	acgttgctg	ggctgctga	gtcttgga	ccctgctca	960
gctggccct	ctggccggc	tgaccatca	tgtttttgg	tttgctatt	ctcagctgg	1020
tctggat	tacggagg	ccatgctta	ctcaggatc	ggtcctgtt	tgctgcgtt	1080
ctactgtct	tatgttctc	tgcttgcc	caatggagt	acagagtgt	tcacatttg	1140
tgccatgag	aaagaggag	tcgacagg	caattttgt	atgctggcc	tgctctctc	1200
attcctgtg	ttatcctat	tcttgacc	ttggtgtgg	agcgtggg	tcactctgg	1260
caactgctt	aacatgggc	ttcgatcac	gcagagcct	tgcttcac	accgctact	1320
ccgaaggag	ccccacagg	ccctggctg	cctgcacct	tcgccagt	tgctcggg	1380
atttgccct	agtgggtgg	ttactgctg	ttcgagggt	ttcctctg	gtgagcagg	1440
ctggccagc	agactggc	acattgctg	gggggcctt	tgtctggg	caactctcg	1500
gacagcatt	ctcacagag	ccaagctg	ccatttcct	aggactcag	taggtgtgc	1560
cagacgcact	gacaaaatg	cgtgacttc	gggaagcct	gacacccag	gcacctgg	1620
cagctatgg	tagttctgt	ggtggaac	attctgtgt	agagcccc	tgagggtct	1680
gcagcggag	gacagcaac	ccagagatg	ggcaccag	agtgccact	catgagac	1740
ctgtgacat	tcgaagtct	aaatgcggg	ggggagttt	atttttaag	gaagaccaa	1800
agcccttta	aaataatag	tttttatca	tttatagta	tcagcattt	ctcttttact	1860

aatataactca	ttccttttgc	gtatgattgg	cctttgggagc	tacatgctcc	aacaaactgt	1920
atcttaattg	ttaactgtta	ataattatct	ggcccagaaa	aagagatgca	gtgattttac	1980
ccttcacagg	aatattgaac	ttcttctgt	aaagagagag	agaaacctct	ctctttcatg	2040
caccacatgg	aaacagagtg	tggccctg				2068

<210> 4809  
 <211> 1180  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1181)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1101)...(482)  
 <223> similar to gi1381181 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4809						
tttttttttt	ttaaagtgtg	ttttgtgggt	ttttttccat	tttcttttgc	taccagtat	60
atgcagcact	tgtgaactcc	caacagggtc	ccagctttta	acacattaaa	catcttgaaa	120
gactattgaa	ttcttcaaga	atctaaaaac	agaccaaacy	tgttttgctg	tgaacattct	180
gtagagacga	agtgaggcgg	gagtttgggt	tcattatttt	taaaaaaaga	atcaatatag	240
tgatggaagg	gtaaagaatg	caagaattca	gacattctgt	ggagggttac	tctctctcca	300
ttaaagggtc	ataaaaagga	gcaaactgag	atccataagg	ggagtcagca	ggagctgtgt	360
gtgtttcccc	acccgctgtg	aataggtttt	tgctgagggg	ccatggccag	gtccccactt	420
gtccccctcc	ctttggcctg	agatggcagg	gcagtacagg	ggcactgaag	gagcacgtca	480
cgactcctca	ttcccagaat	catcatcatc	ataacagtcg	gcattcttct	cctcctcatc	540
ttcatcatca	atgtcgtcat	catacaagtc	gtcgtaaagc	aaatctgagc	tgttgtcatt	600
ggaaggcact	ttagttttga	tgcagtattc	cgccagggtt	gtggggacct	tcactccatc	660
ctttttctgt	tcggccttag	tggtctgaaac	ttgtttccta	ataatttcag	catattcttt	720
gtcttttctt	ttactgtctc	tccatttctt	gaacataact	gaagcatcga	cattggctgg	780
ggagaagggt	ttgggctcat	taagcagtga	gattacactt	aataggatag	tcctcacatt	840
ctgagtagga	ttccaccttt	cagaaggcag	ttctccactc	tgtaggtcat	ctacaggcgg	900
atgaagaatc	gaaatgcata	catctccatt	ctcataaatg	ttgggggtgc	acattttggg	960
caagaatctg	aaggtaggtg	gtgaataggg	gtagtcaata	ggaaatttaa	tatgcgcctt	1020
gaagtagccg	ccttcgtaga	gggtgttggg	gggtccgaag	atggccacct	cccagttgta	1080
gaggtcggac	tcgcggaagc	gtgggcggac	gcgtgggtcg	accnncnatt	nnnngcgnnt	1140
cgggttncca	agtttccggg	nnnngccggc	cgggactcct			1180

<210> 4810  
 <211> 1852  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1855)...(108)

<223> similar to gi558586 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4810

```

tttttttttt ttgagaattt agctgttctt tattgacatg gaatttgggg tggcgagggt 60
agccacaccc tccaggagga tgaggtaggt tcagtgttc cagctcacac ctttcctggg 120
tcttccttca gtgtgacagt tcggttaaag acaagcttcc cctgatggct gtctggatcc 180
acggagaaat atccaagacg ctcaaactgg aacttgctga agggttttgc cagggccaca 240
gagcagtcca ctaatgtctg atccaccacg tgtagtgtg ccaggttcag gtcacttaaa 300
aatccaccag gcacctcagt aggatcttca gggttcttgt gctggaatag tcgctcatag 360
aggcgaaact cacacatcaa aggtgtgtg acccagtga taaaggcctt tggcttctct 420
ccagcatctg cccgtctgca ggtcacctcc agactctcta cacaaccact ggggcccttg 480
acaacatgct gcagctcaat gacgtagcct gtatgcctca ggcccacagg ctggcccca 540
gccaggcgct taaatcctgg ctctggctcc tccttgaagt cagtcctctc aatgaagaca 600
atgggtgcaa agggaacctg atggaagcct ttggtctcat cagctgggaa gttgggcacc 660
tggatgtcca aggacttggc agcaggaaag ttggtgatga tgaccgtag tgactccagc 720
acagccatgg ctctgtggggc tgtgtcattc agcacatcac gcacacaggc ttctagaaga 780
tgtggctcca ttgtggtttg tgccacagtc actcccaccc gggcacagaa gttgttgatg 840
gcctcagggt ggaagccccg ccgtcgcagg gccgtgagtg taaagagccg tgggtcatcc 900
cagtcccga cagcaccagt tgctacaagc tggaggatct tctcttaga gacaacagca 960
tagtgcaggt tgaggcggcc atactcccac tgcacagggc aatagacgtc cagtgcattg 1020
caaagccaga agtaggaaga gcgtcggggc tgggaattcct tgggtgcagag tgagtgagt 1080
atgtgctcga tggagtcaca gaggcaggtg gtgtagtcgt aggtgggata gatgcaccat 1140
ttgtcccttg tgcggtggtg tgggtgtatac ttgactcgat aggtacagg gtccatcttg 1200
ccatcctcca tcaccagctt catccgtagt gtggcctcgc cctctgaaaa cttgcccttg 1260
cgcattgcct caaagagcag cagtgaactc tccatgggac ggtctctcca ggggtgaaggc 1320
agagtattat ggcctttgag ctctctctct cgtggtggc acacataagc cagacccttg 1380
cggatgagct ccacagccca cgcatatagc tgggtcaaat agtcagacgc atatgtgact 1440
ttgtaagggt tgtagcctag ccaggctacc atgtcacaga tggcctgaa gaactttgct 1500
tctccttct cagggttggg gtcataaaa cgcagaaaac agatgccatt gttggccttg 1560
gcatagccaa agttgaaatt gatggctttg gcatgtccaa tatgcaggat tccattgggt 1620
tctggcggga accgggtacg tacctgcccc ccagtaatct ccagggtgctg ctttagtaga 1680
ttcatggtgt gtggagtgtg cacatagcct ggggtcttgt agttctcacc aggttgtgtg 1740
aacttaaggg cctccccccg gagctgtctc atcagagaca gggctctggc agcagtctcg 1800
ccattctcca ccacatcctt tgccgtcttc cggctctgtt cttctagccg ag 1852
```

<210> 4811

<211> 2249

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (224)...(1447)

<223> similar to gi2911858 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4811
ccgcctggga ggggacccgg gctgccaggc gccagctgt gccagatgg atgggacaga      60
gacccggcag cggaggctgg acagctgtgg caagccaggg gagctggggc ttcctcacc      120
cctcagcaca ggaggactcc ctgtagcctc agaagatgga gctctcaggg cccctgagag      180
ccaaagcgtg acccccaagc cactggagac tgagcctagc agggagaccg cctgggtccat      240
aggccttcag gtgaccgtgc ccttcattgt tgcaggcctg ggactgtcct gggccggcat      300
gcttctggac tatttcagc actggcctgt gtttgtggag gtgaaagacc ttttgacatt      360
ggtgccgccc ctggtgggccc tgaaggggaa cctggagatg aactggcat ccagactctc      420
cacagctgcc aacactggac aaattgatga ccccaggag cagcacagag tcatcagcag      480
caacctggcc ctcatccagg tgcaggccac tgcgtgggg ctcttggtg ctgtggctgc      540
gctgctgttg ggcgtgggtg ctcgagagga agtggatgtc gccaaagtgg agttgctgtg      600
tgccagcagt gtcctcactg ccttccttgc agcctttgcc ctgggggtgc tgatggtctg      660
tatagtgatt ggtgctcgaa agctcggggt caaccagac aacattgcc cgcctattgc      720
agccagcctg ggagacctca tcacactgtc cattctggct ttgggttagca gcttcttcta      780
cagacacaaa gatagtcggt atctgacgcc gctgggtctgc ctgagctttg cggctctgac      840
cccagtgtgg gtcctcattg ccaagcagag cccaccatc gtgaagatcc tgaagtttgg      900
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aaccgtttct aaacagcagt acaaaggcat ggcgatattt acccccgta tatgtggtgt     1020
tggtggcaat ctggtggcca ttcagaccag ccgaatctca acctacctgc acatgtggag     1080
tgacactggc gtcctgcccc tccagatgaa gaaattcttg cccaaccgt gttctacttt     1140
ctgcacgtca gaaatcaatt ccatgtcagc tcgagtcctg ctcttgctgg tgggtcccagg     1200
ccatctgatt ttcttctaca tcatctacct ggtggagggt cagtcagtca taaacagcca     1260
gacctttgtg gtgctctacc tgctggcagg cctgatccag gtgacaatcc tgcgttacct     1320
ggcagaagtg atggttcggc tgacttggca ccaggccctg gatcctgaca accactgcat     1380
cccctacctt acagggctgg gggacctgct cgggtactggc ctccctggcac tctgcttttt     1440
cactgactgg ctactgaaga gcaaggcaga gctgggtggc atctcagaac tggcatctgg     1500
acctccctaa ctgggccccg ctggtcccat ttgctcatta gaatttcctc tcacatcagt     1560
gggatacaga attcagtttc tcccttgcca ggtccttggg atggttgacc cctgcctctg     1620
cagtagcctt ttgtgagctc gctaaggtag ctctcacaca cctcggtctt ggggttgata     1680
cctgagcctg caatagagcc ctgaaatcaa gagcatggct tgagtgtgtg aatatgatgt     1740
gtgcacatgc ttaatgagcg tgcaagtgtg cacacgtttg tggagaggag ggtgttctgg     1800
cctgagaagg taaagaagag gcatgtccag tatgctttgc aggggtgtgtt tgctcttttc     1860
catgcccctg caaccagat tggggtggag caggaaggag ctcttttctg ttcccaagcc     1920
tcagaactct tgagctgtgg cttacttgct gtcttcacca ggttcaagct ccgtgggcca     1980
cactgctgct gtgccaagaa ggtgtacagc ctcccagga tggggcctca tacaacctt     2040
catctgcact caacatttaa tcgtgtcctt gctgtctttt tattttcctt tttgtttgtt     2100
agcaaaaacc tctatttaga tttcaataat cagagaagtg taaaataaaa cagattatat     2160
tgtacttgac cctttatgtc tttaaagata gttaatgcaa ccctgaggct tggggtctat     2220
aaataacaaa agcatctgga aaaaaaaaaa                2249

```

<210> 4812

<211> 1278

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1280)...(962)

<223> similar to gi5262705 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4812
cctttttttt ttttttactc gccagtttca ttattattaa agaattccatt tgaatgtcag      60
ctcaacacag cctcctatac cgaggcattg tgaaccgcat ctccccagct tctccaggct      120
tttccaagaa tcagggacac tgtagcctgt tgggtctcagt gtatgacaga cacggaggaa      180
gcacatcttt agctgatact taaacagaga ccctgagcgc acatacaccg gcgcacacat      240
gcatggagct tcaccttctc tgtcattctg cagtgaccag gagagcaaga gctcccacct      300
cccttcaaaa cactgtgccc atccccgggca ctaaggcctc tttaaagcac ggcacctcca      360
cgagggaggg ccacagccac atacactcca cctggcagggt ggacagcgtg agcatgtgga      420
ccatagcagg gacaaggtgc cccggccagc cccaacgccc tctgccgctg acagggacag      480
aagccctctc cagctgcgtg tgctgcagag gccatgcgta gcctccagct gcattctatt      540
ccactccagt gcctgggcca gtttagcacca gtgtggaaga cagtgcagct gctccggaca      600
acagggatgg aggaaaggtc ccacattcac attcctgata cgtggacaag gtgagggggc      660
gcaatcgctc tggcagcatt ttaaagatgg ggaagtagca gacaccacg cgtgaaggca      720
ggagagcccc aactgtggtg gaaatggccc cagaatggta gggccaagcc tagctccaga      780
caccacagag ccctggagaa gccaagactg agggagaaaag cctgagggag gagcgcccca      840
gtccccaggg accggcctgg tgcagagctg cagctgatgt tcccctctgt gcagccccac      900
cctctgcctc gctgagctcc ctgctgcgag ggcctcgggt gcaaggggga ggcagggtctc      960
tatctcatgg agctgtcaga tgagacatcg cgatcggagt cctcagcctc gcttggcggc     1020
ggcggcgggg cgctaagcgg gaccgcagtg aaagcaggag actttcggtc tccagactgg     1080
gtgatgagcc ggcggcagggt ctccatctgc acgtccaggc cgcgcttcat gctgcacatc     1140
tccatgtact cgtgcagggt cgggttcattg tcgttcttgg ccgtggccaa ctccagctct     1200
atctggtcaa tgggtctctg atactccttc tcccggggtt tgaacaggga ctccgtatct     1260
ttaatcacct tctccagg                                     1278

```

```

<210> 4813
<211> 1690
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1691)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1640)...(1351)
<223> similar to gi5771451 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4813
tttttttttt ttcagatttc acgtgtattt ttgctaaaac tgaaagctgt caggatccac      60
attggtgtta ccagtttgta ctgaagcctg atacaatacc caacagtatt gctctggttt     120
tttcaagcac aactccaag caagtgggtc gtctggctta attcattatg gctttttttc     180

```

agggttaagag	attcacacgc	aagagaataa	ggctacaaat	gctccaaaca	tgggtccaga	240
actctggctc	ttttgtgagg	cctagagtca	cagaaaatgc	catctgttaa	gaagctgctt	300
ttgcataaaa	aaatataaaa	agttacaaaa	ttccatcaaa	gacagatata	cagtataaat	360
cgtaggtga	acacagaagg	ctggtctcat	ctcctgcagt	ggcccataga	cctgccctga	420
ggtctggaag	ttcactgtcc	tgagggtcca	ggaactcctg	cctgctggct	gggctctagg	480
aagaaggagg	gtttggctgg	gcccgccag	ctcccatga	cactgtcact	gtgatgccac	540
tggtgtaccc	tctgtcttct	ggaccagtca	gtctatgagc	tcttctttga	aacagtctta	600
gaccagaat	ggtcatctca	ccccagaag	acatggtttc	caagggtggg	aggtgttagt	660
tatgggtgcc	gagccccact	tcctgggcga	caaggcaaag	gtcaatttct	ccctgcttca	720
agaatgaaga	gggaactggt	gctccttgaa	ccaaagattc	ttggaagggt	cattgtcacc	780
aaagtggctg	gtgtgggcag	gagcaccaag	tgagacaaa	cccaccgggg	cctggcgggg	840
cagccctgtc	atggtttctg	tctttgttcc	tgtagtgaa	acagaagacc	cccagcccc	900
gccacctagc	agcatggaac	acctgctgcc	cagatacaga	caaggctctg	ctttgtctcc	960
ttgtgctggt	ttttggcaga	gacgttaaag	ggctgaaggc	ctgtgggaca	gaaatgggga	1020
gaaggagtgg	gatacccaag	atgccctcat	acgcagcgtg	gtcaacagtg	ctgagctgag	1080
gggcaagcct	ggtaggctgg	gctcaggcag	aacctgaggc	tgtagggggc	ctgctgtgtc	1140
cgcagccccc	tctgcaactc	agaagtccag	gcctccgctc	caacgccagc	gacccctgtg	1200
aggcgcaggg	gtggaggcct	gtgtggctca	ggttgccaag	gcacccgcc	ggccttcagt	1260
cagagtccga	gtcggaattc	tcttcttctg	tcttgtgggc	tgtaggtctca	tctgcagagt	1320
ccccttgttt	gaggaatttg	gccacgtcgt	taaagatcag	gtagaaatca	gttgcaaaca	1380
cgatggtagc	aaagaagcca	aacaccccag	cggctttgga	agccccatcc	gagtacttgg	1440
cgatggccgt	gatggagata	gcaaagtaga	tgagggccgc	ggtgacacag	cgcaggaagt	1500
ccatcatggg	ccagcacaag	ccctgccact	tgtcattcag	ctgcatggca	tcagcaaaga	1560
ggaagtacaa	ggccagcagg	aactccagca	gaggcgctgt	gaggaaggca	gatgctgagg	1620
acgccacata	gcagataaaa	gtggaattcc	nccgcnctcg	cgagtgggtca	tcaggtctca	1680
ttncnngcca						1690

<210> 4814

<211> 1228

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1229)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1170)...(206)

<223> similar to gi3687829 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4814

tgcggccgct	gttaccacct	cagacactgg	tctaagtcca	gggcagcctg	ggatccctac	60
tcctcttgac	cccaaaggcc	agcaacgtgg	gctgacaccc	ctccccgggg	catctttgga	120
cgggtcctgc	atccagcagg	gatgtgggtca	tctctgtcct	ctcagggcct	gggagccagc	180
gggtctggcc	gagtgttagg	gtggcttcct	ggtctccttc	cttagcaggg	agctggccac	240
agccaaggcg	ccccctgca	caaacctcac	gaagttgtcc	ccggccagcg	gccccatggc	300
gtacaggccc	tcctggcggg	tgctctggta	ggtgaagggg	tccacgtcaa	tggggttcct	360

cttggcgctc	agcggctggt	caggatccac	tgcaaagtca	gcccctgccc	caggcaggaa	420
ggagaggtcg	gggtgggagc	cgatgaggac	cagcaccagg	gagaccccaa	acaccttctc	480
gacaccctcg	aggtcctgga	acacggcctg	gcagtcttcc	ttgaagcaca	gcagctgggtg	540
cctggggagg	ctgcggtaac	cctcataggg	gctgggcgac	aggatggact	gctcccgcac	600
catctggtgc	acctgtggtg	actcggggta	cagcatcttg	ggcagctggt	tgaacaccag	660
gccagggtcg	tccacggccc	ggcgggaagg	atggatcacc	gggatgttgt	agtggcgggc	720
gtagaggacc	gcgtcggccg	ctgacagccc	cgcgccaatg	atgaggacag	ggtctgaggc	780
cggggtcacc	gcacccaccc	ttgtggcgcc	ctccaggcca	gacagctcat	ggtggatgaa	840
gggcagggcc	tccccgggga	tgcccagccg	ggcggggctg	tcgaacgtgc	ctgtggcgag	900
gaccacgttg	cgggcccaca	gcgagaagg	ctgctggggc	tggttcctgg	tcaggaagcc	960
gctcacctgg	aagagggggc	tggagtctctg	ggccccacag	ctgctgggat	cgggggtccc	1020
ccactccacg	gctgtgacta	cagcaccgga	cacaaagtta	tgccccagac	ccttcttgac	1080
cacgtagtcc	ctgtagtagt	gggcgatgtc	cccggcagtg	gcccggctgt	tgcgaagacc	1140
tcttcgcttc	ttctgcatcc	agtccttgac	ctccgaattc	caccacactg	actagaggtc	1200
tacagtgggn	ntcaggncng	gacccct				1228

<210> 4815  
 <211> 1387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1388)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (891)...(668)  
 <223> similar to gi5734463 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4815						
ttttgttgtt	taactttctc	tctttttttt	ttttttcaaa	ttactagaat	tttaattagc	60
caagggatag	cagctggagg	agaaataaca	aaaaaataca	tcttaagaat	ccttaagtac	120
agtgcataatt	tacaatttaa	gtgtcatatt	ttagaaggcc	actgtccatc	agctcagtaa	180
atgtaccagc	ttctaaagcc	atgatgccat	agggtccattt	gttgatgaaa	ttcctacca	240
ctgtcctcgg	ggcatctgac	tctgggtctc	tgcaactgggc	atcaagagga	cgctgctcgg	300
tggtttaagg	gcttaacacc	ttacagggtg	acactgttaa	cactggccct	tggaagccca	360
ggtgcttttc	tccatgaaaa	cttccacctt	ggtagctcag	ccgacataga	caacacacaa	420
agcgcagctc	tgcactttctg	tccttatctt	cacacagtga	catccacacc	agggtggccaa	480
acagaagaga	aggcagaggc	ccaccaagag	ctgatgctgc	gcagtccttg	ggggatcatc	540
ctccgggtctc	actggggagc	aaccaggtt	ctggagcctc	tcccctgaca	gacagcttgt	600
caccggcact	tatgggtcct	ctgggatttc	agacaatacc	caacttctgt	agggttcagaa	660
agtgtcttca	agcaggcagt	ggcaccacac	cccggtgagg	cacacctcct	gggtccgaaa	720
ccactccatc	atgtggctgg	tgtggccacc	gtgccacag	gtcaggcaga	aattggacga	780
tccccgcaca	gccacgtgac	agatggcaca	ctggaacgtg	aagcctttgc	agatggcaca	840
ctgcgtgcc	cggacctcac	tccggcagtg	gctgcagtac	acgccgaact	cgatcccttt	900
gtgagggtca	ggaggacagg	agacaaactt	caacacttca	gctcgttct	ctctcagacc	960
ccaacggtag	aggatttccc	catagcattt	cttaaagtca	tcaaattgct	gggtattggc	1020



gggggtccagg	agccttttat	ttttatcatg	ctgggtcgcg	tctcgctcac	ggggatcact	1080
gtaggtcaga	ctcccaaagc	ggagctcttc	tggtgaggat	tctccccaag	gggaggacaa	1140
gtgctctgcc	tctcttcccg	ctgaagaaaa	tcaaattgga	aggaagatg	gcaatcagag	1200
aaggcatgga	aaatatctga	agagtctcat	aagacagcat	gtggccaatg	gatttcccag	1260
aagaaatggt	aagcgaggct	gaatattctg	agaaatataa	ctaaatagaa	ctctctccta	1320
cccttgccga	attccggcgc	gctgggtgag	tggtccacga	tcnctggcct	aggggtctcg	1380
atttccc						1387

<210> 4816

<211> 2526

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (34)...(1147)

<223> similar to gi5305327 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4816

ccctgatgaa	cattaggcca	gtgcggtgga	attcctctct	gcgcactctga	cggaaggacc	60
ttcctttccc	gttgtgaatt	tcttcgtgcc	ttgtgcaaag	atccccagct	agagattgca	120
tatcgaggaa	actgcaaaga	cgtgtccagg	tgtgtggccg	aaaggaagta	taccaggag	180
caagcccga	aggagtttca	gcaagtgttc	attcctgagt	gcaatgacga	cggcacctac	240
agtcagggtcc	agtggtcacag	ctacacggga	tactgtggt	gcgtcacgcc	caacgggagg	300
cccatcagcg	gcactgccgt	ggcccacaag	acgcccgggt	gcccgggttc	cgtaaatgaa	360
aagttacccc	aacgcgaagg	cacaggaaaa	acagatgatg	ccgcagctcc	agcgttgagg	420
actcagcctc	aaggagatga	agaagatatt	gcatacagtt	accctaaccct	ttggactgaa	480
cagggttaaaa	gtcggcagaa	caaaaccaat	aagaattcag	tgtcatcctg	tgaccaagag	540
caccagtctg	ccctggagga	agccaagcag	cccaagaacg	acaatgtggt	gatccctgag	600
tgtgcgcacg	gcggcctcta	caagccagtg	cagtgccacc	cctccacggg	gtactgtctg	660
tgcgtcctgg	tggacacggg	gcgccccatt	cccggcacat	ccacaaggta	cgagcagccg	720
aaatgtgaca	acacggccag	ggcccaccca	gccaaagccc	gggacctgta	caagggccgc	780
cagctacaag	gttgtccggg	tgccaaaaag	catgagtttc	tgaccagcgt	tctggacgcg	840
ctgtccacgg	acatggtcca	cgccgcctcc	gacccctcct	ccttcgttca	gggcaggctc	900
tcagaacccg	accccagcca	taccctagag	gagcgggtgg	tgacttggtta	cttcaaacta	960
ctggataaaa	actccagtgg	agacatcggc	aaaaaggaaa	tcaaaccctt	caagaggttc	1020
cttcgcaaaa	aatcaaagcc	caaaaaatgt	gtgaagaagt	ttgttgaata	ctgtgacgtg	1080
aataatgaca	aatccatctc	cgtacaagaa	ctgatgggct	gcctgggctg	ggcgaaagag	1140
gacggcaaa	cggaacacaa	gaaacgccac	accccagag	gtcatgctga	aagtacgtct	1200
aatagacagc	caaggaaaaca	aggataaatg	gctcataccc	cgaaggcagt	tcctagacac	1260
atgggaaatt	tccctcacca	aagagcaatt	aagaaaacaa	aaacagaaac	acatagtatt	1320
tgcactttgt	actttaaatg	taaattcact	ttgtagaaat	gagctattta	aacagactgt	1380
tttaattctgt	gaaaatggag	agctggcttc	agaaaattaa	tcacatacaa	tgtatgtgtc	1440
ctcttttgac	cttggaatc	tgtatgtggt	ggagaagtat	ttgaatgcat	ttaggcttaa	1500
tttcttcgcc	ttccacatgt	taacagtaga	gctctatgca	ctccggctgc	aatcgtatgg	1560
ctttctctaa	cccctgcagt	cacttccaga	tgctgtgct	tacagcattg	tggaatcatg	1620
ttggaagctc	cacatgtcca	tggaagtttg	tgatgtacgg	ccgaccctac	aggcagttaa	1680
catgcatggg	ctggtttgtt	tcttgggatt	ttctgttagt	ttgtcttgtt	ttgctttcca	1740
gagatcttgc	tcatacaatg	aatcacgcaa	ccactaaagc	tatccagtta	agtgcaggta	1800

gttccccctgg	aggaaataat	atctttcaaac	tgtcgttgg	gtgatacttt	ggctcaaagg	1860
atctttgctt	ttccatttta	agctttctgtt	ttgagttttg	ccctggggct	tgaatgagtc	1920
ccagagagtc	gttcggatgg	tgggaggctg	cctaggaggc	agtaaatacca	gtcacagtc	1980
ctgggagggg	cccatacttc	caaaatgtaa	atccagtcgc	ggtgtgaccg	agctggctaa	2040
caggcttgct	tgcctggtt	tcctcctaca	cgtggacatt	attctcctga	tcctcctacc	2100
tgggtccccc	cagggtacc	ggaaggtaaa	atcttcacct	gaaccaatta	tgagcagtc	2160
ccttactgaa	ggtacagccg	gatacgtgt	gccccgggg	ctggtgttgg	cagccggggg	2220
gaggtgcctg	agggtcccca	cggttccttt	ctgcttttct	gaatgcatca	agggtacgag	2280
aaattgccaa	tgggaaattc	atccgagtgg	cactggcaga	gaaggatagg	agtggaatgc	2340
ccacacagtg	accaacagaa	ctggtctgcg	tgcataacca	gctgccaccc	tcaggcctgg	2400
gccccagagc	tcagggcacc	cagtgtctta	aggaaccatt	tggaggacag	tctgagagca	2460
ggaacttcaa	gctgtgattc	tatctcggct	cagacttttg	gttggaaaaa	gatcttcagt	2520
gcccct						2526

<210> 4817

<211> 1384

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1386)...(1091)

<223> similar to gil872200 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4817

ggcgagagc	gccacgggca	gtgtggctgc	tgccccccag	gaggcttgag	gatgggtctc	60
actgctctga	aaagacacaa	ccagaatggc	ctggggctca	ggcccttgg	tgagtgggaa	120
tgcgttggga	ctgccagct	gagctatcag	tcacgtgacc	ctgatgccag	gctctccagg	180
gaatcaggag	gaaaagccca	ggtgctcttg	acaataatgt	ggtgcctgct	gccctgtggg	240
ctccctaate	cccagagggg	cctgttcagc	aaaaggagca	caagcagggtg	agcctgcac	300
ctagtcttga	ccatgcactg	tgaggctggg	aacaaccac	caggccacct	cacccaaaaa	360
atgcagctac	gttggtcaca	gggtgaggat	ttgtaagaaa	gccaacaata	gaatttgctg	420
agtgcgccat	gcagagcaac	cagacaagg	gatgaagagg	gtgaggagg	tggctgctgg	480
gaccagggtc	atgactgcag	gggcaaacca	gggcctcacc	ttccaggcc	tcctcctcc	540
aggtatcgga	attccgtatt	ggtccagggtg	gaaaacttct	ctagaatata	ggcagccaga	600
cccacaggag	agtcattcag	agcagagcct	ggcggggagc	ggggagcaag	ggagagactc	660
aggcctgggg	accagagagc	tggagcttca	ggtgtgatgt	gtggcactgg	ccgcagagg	720
cggggctgtg	tgcaggaagc	cacgttcgag	cacaggcctg	ccttaactcc	tgggtgctca	780
catgcctcgc	ttccttaact	ctgcctcggc	atcctcatct	gataaacagg	gacgatacct	840
tccactgtc	tcccagggcc	tggcacactg	cctgctcagc	ttccttcaaa	ctgaagggcc	900
tacgcctctg	catttggtgg	ggtcccaatg	agaagtgtg	tttttaaaaa	ggcggggttt	960
ttcagtctat	gtgctctgat	tcatgaaaaa	tgagaagcca	cctaaaaaag	tctaaaaatag	1020
gggatcagtt	acaaatattg	atatactcat	aagccaaaat	actgtacagt	cattaaaaat	1080
ggctggaaca	ggctgggggc	attggctcat	gcctgtaatc	ccagcacttt	gggagggcga	1140
gaaagggtgga	tcacctgcgg	taaggagtgc	gagactatcc	tggctgacat	ggtgaaaccc	1200
catctctatt	aaaaatacaa	aaaaattagc	agggcatggt	ggtgcatgcc	tgtaatccca	1260
gctacttggg	aggctgaggc	aggcaaattg	cttgaacccg	ggagggtggag	gttgcatgta	1320
gccgagatcg	taccactgca	ctctagcctg	ggcaacagag	caagactctg	tctcaaaaaa	1380
aaaa						1384

<210> 4818  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (701)...(415)  
 <223> similar to gil783301 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4818  
 tttttttttt ttgttgcaga tagaaacttg tgctttaata tatctctggg tgtgtgagca 60  
 tgagtgtgtg cgtgtgtgca agtggaaacag ctgtctccag ggcctcagtg cctggcctct 120  
 gtccttgttc tctgtctatc cttgcagcca atgcaggccc cctccctggc gggccggccc 180  
 tgccctctggg caccctcagct ggccgggggtc agtctttggt acaatgtgga cactttggtg 240  
 tgccgggggc aaggttgggg ggggtggccac acagctctca tcatctctgc aacgcccaaga 300  
 ggaagatggc catgggcccc cacagctgtg ggctggactg gcagggggct ccactgcccg 360  
 gcatcaccac cactttattg ggatccgtct gcttccgggg acactcccc ttcttcagtg 420  
 tgacgtcatc tatggcaata tccccaggt agcccgggcc tcgaaccccc tcaaaaataa 480  
 tctggaaggg cccactgggg ctgatgggca catgggcctg ctgccacaca ttgcccttat 540  
 tgccactgag agaccaggcg tgcgtgtcca gagccccttt gttccgggac cgcaccagga 600  
 ggttgagggg gccgatgtgt ttcccgtaça tgtggtagaa gaaggagaca cagtagaact 660  
 ttggcgctgg atttgagagg ggactcacta accttggcac 700

<210> 4819  
 <211> 1410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1411)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (768)...(945)  
 <223> similar to gi310100 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4819

tttttttttt	ttactttttac	ataatctcat	ttaattttaac	cctcacaaca	accctgtgag	60
gtaggtat	gctccatttt	acaaatggag	aatcgaggc	acaaaagatt	aaacatctta	120
ccaaagtctg	cacagccact	tatatgctgg	agctagaatt	tgaacccagg	tgtgcctcca	180
ctttttaata	ctagaccaat	cttttcacgg	gggaagtttc	ctagattaac	accctcacat	240
cttttaagac	cattccaaaa	cctgcgttct	gttttgca	agccctcact	gtgtttctgc	300
tgccctgaaa	cagtggaggc	agacaaaggt	gagtgcgaag	tgaggaacca	taagaagtgg	360
tagatctctg	tggagtgcc	taagaaccct	caagagcctt	aacaaaggta	gttgggggag	420
aggggaagag	gtgtttcagc	agctctgctc	ccagcagcca	tttcctctct	ccagggcaaa	480
gggggtggggc	tgcgaggcca	gctgaccaag	aaaccctcc	agctcctcca	gtccaagtcc	540
agcatctttc	ctacaactat	tctgccttcc	acttcgtctt	cttccttgcc	tcactctatg	600
tcatggttac	ccttaccac	tgggtcagg	aagatggagt	gggccttaga	tactctctg	660
aagagctagc	tattttaagg	aaagagcaat	tcaaggccat	tccagacaca	catgggtctg	720
ccattatatt	tgggtaggag	gtagaacagg	tctaaaagct	aaggcccttc	atattctcta	780
accagagcct	ttggttacac	agctatgagg	gagcagaact	ggaaaagacc	ttcatcaagg	840
gtagctgggc	caccttctgg	gtcaagggtg	cctcatgctg	ggcctgcgta	ctcctctatc	900
tggggctgtt	actggcacca	ctctgttggc	ccccaccca	gaaaccccag	ccccttatct	960
tgaggcgccg	ccgccaccgc	atcatatccc	cagataacaa	atatectcca	gtctaagtcc	1020
ttttcacaaa	ctgggggttcc	cctgacattg	tactcctaga	gttggtctca	ggggagctgt	1080
ccagcccagc	tcaatacctc	aaggacacac	agggagtatt	ctccgtttgg	gctgaagtca	1140
atactatgaa	ctggaagaag	tgggtcaaaca	cagtctaattg	tgctgggcag	agtgtctgac	1200
tcactggagc	tactgttaca	tctgcatccc	agctcaagag	cctaacaccc	aatcagcag	1260
ctcaaagaac	caccgctgat	cccagcagac	agtgtgcacc	agccctttcc	tggtcttgg	1320
gtttcttata	tccgtgtnc	agggctgaac	tccttatttt	cctttctcca	naggcagagc	1380
cgagtcttca	gtccctgttg	gtttttcccc				1410

<210> 4820

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(92)

<223> similar to gi203992 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4820

gttgcggggg	gtgtcatcaa	agcagtggac	aagaaggctg	ctggagctgg	caaggtcacc	60
aagtctgccc	agaaagctca	gaaggctaaa	tgaatattat	ccctaatacc	tgccacccca	120
ctcttaatca	gtgggtggaag	aacggtctca	gaactgtttg	tttcaattgg	ccatttaagt	180
ttagtagtaa	aagactgggt	aatgataaca	atgcatcgta	aaaccttcaa	aaggaaagga	240
gaatgttttg	tggaccactt	tggttttctt	ttttgcgtgt	ggcagtttta	agttattagt	300
ttttaaaatc	agtacttttt	aatggaaaca	acttgaccaa	aaatttgtca	cagaattttg	360
agacccttag	ttctaatacgc	ga				382

<210> 4821

<211> 1050  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (103)...(622)

<223> similar to gi2145020 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4821

caattgatac	acctatcaca	tggataccag	attcactgga	ctgactatta	caacgtcggg	60
actgggagac	cagaattcgg	cacgagggca	gcccacaagt	ccctggccgg	agcagagctg	120
aagacgctca	aggactttgt	gactgtcttg	gccaagctgt	tccctggacg	gccgccagtc	180
aagaagctgt	tggagatgct	gcaggagtgg	ctggccagcc	ttcccctgga	caggatcccc	240
tacaacgccg	tgcttgacct	ggtcaacaac	aagatgcgga	tttctggaat	attccttact	300
aatcacataa	agtgggttgg	atgtcaagga	agccgatctg	agttgagggg	ttacccgtgt	360
tctctctgga	aactgttcca	cactttgact	gttgaagcct	cgacccaccc	agatgcactg	420
gttggcacag	gctttgaaga	cgacccccag	gctgtgctgc	agacaatgag	gaggtagctt	480
cacaccttct	ttgggtgtaa	ggaatgtggt	gagcactttg	aggaaatggc	taaagaatcc	540
atggactcgg	tgaaaacccc	agaccaagcc	atcctctggc	tgtggaagaa	gcataatatg	600
gtgaacggcc	gcctggcagg	tgagaagccc	ctgggcatgg	ggggctcagc	acgggcggag	660
ggaggccctg	gtcctgggac	agcaaggacg	gcacggctgc	cgtggggctt	gtccctgagc	720
tttgccgctt	cgtgccaccc	actgtgctga	cgggatcagg	acttgggtgg	ctgagagctg	780
ccagagctgc	agcctttccc	aggctgcttc	tgtccccggc	tttctagatg	cttctctcac	840
tccgggggct	cttcgacccc	gtggaaatgg	gtgtggtctt	ttcttcccc	atcggtaccc	900
actggtagcc	cgttagactc	tgaagatggt	tttgactctg	gaaagcttgg	aacgtaatta	960
atttttgatg	aggaatttta	gtagtatgga	aatctgttgt	ccaaacgtaa	accaaaccctc	1020
tcaaagtgct	ttgttttgtt	aaaaaaaaaa				1050

<210> 4822  
<211> 2342  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2343)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2065)...(656)

<223> similar to gi2734081 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4822

tttttttttt	ttcaggatta	gatacaattt	aataatagtt	caattccaaa	ataaaaagtta	60
ttgtaggtaa	gaccatgaaa	tttcctaaca	cttgatttta	atacattgcg	ctaattttct	120
aaaacaactc	agaggaaccc	atattttacag	taggcagaat	atztatgaaa	aaaatctggc	180
atcaggata	tttatatata	tgtatgtgtg	tgtatacgta	tgtgtgtgta	tatatatgtg	240
tgtgtgtgtg	tgtatcccgga	gattatatga	actaagaaac	aagttgtgta	tcttaacagc	300
agtactagag	cgcagagttt	cagacttgga	tttataaatg	ctttcaacgt	gtgggtgttg	360
gaaaaggaga	agacatcatc	tgatttttcaa	aacctgaagt	ttttctcagg	actgaagtca	420
aaatcgtaac	tgccacagag	ggaaaagggga	agcttttccc	cttaattggt	catctgcgtc	480
agaaagtcca	gtatccctga	gataggaacc	actgtaatta	gaagattgga	atgaacaggt	540
ttctcccaaa	ggaagattgt	ttgttgctga	attatgccta	ctgccctgat	catcagggtat	600
aaactttgca	tcttccaacc	taatgcttgg	cagcaccaag	acgttttcagt	aatggttcat	660
cataaaccga	gcattctcca	ttttcatgaa	ataaccttgt	ctcccactga	atttccttct	720
ccttcctttc	tcgggcttct	gctctttgtc	tttcttcaag	cctgtgcttt	gcttcagttg	780
ctgcatcaat	gtctctgatt	tttaagttga	aagtgcacac	cttccaaagg	ctgcgggatt	840
catactcggt	ctgatcttcc	aacttcctca	ctttcttctt	gattataggc	aacttcttgg	900
tatctacaaa	gactgtattt	tcccctgttg	catattttgc	atacatcaca	ccattccatt	960
ccccttcaat	tgagcaaaaa	gacttcttgt	catttgaggga	aaaaatctcg	gcagtaattc	1020
tgtgcttctt	gcccccatag	aagggttttag	tgtggaagat	gatatttgca	ctatagcctg	1080
ttttggaaca	attaatattg	cattctcctc	ctaattccac	ccagggcact	gtgaggatag	1140
accttccata	gccattgggg	aatgtgagaa	tgtaatgttc	atcatagtct	agacatgaga	1200
cacagccctg	ccctatgttg	tgcaccccaa	ttgacatccc	aaggaatttt	gatttggtcc	1260
agatatgagc	attgaattgt	atcttcttgt	taaaacactc	agcataaaag	gctgaaatgg	1320
gtggatgatg	ggaaacctgc	tcagccacaa	atgttacact	gtttttggaa	acccagggaa	1380
ctggtccttc	tgaaactagt	tctgtgttct	cttcagtafc	atttggtaat	gtccaatgac	1440
actgaaaaat	ctcgcccaaa	atgggattgt	atggcttttt	ggcaactgat	cctttccttc	1500
ccgcatgaaa	ggctgagagg	taccatttca	caacctgaac	cattcgatcc	ttgggaccc	1560
tctgggtcact	aatgctcaca	aacagggtccg	gatgtgcaaa	aaagtctgca	tacatttcta	1620
aaagagatct	tctttcaaga	ataaacgttg	gaagaactac	cttagtaaga	tccattccaa	1680
gtctaacctg	cgacaagaga	tgcattgataa	cgctcttgtg	ctcctccaca	gaccctgcct	1740
ccgcatcatc	atctctgtca	tcatgtgaat	caaacagggtc	agcatcactt	gttccattgg	1800
acaaggaaga	attaagtgat	tctgtgggtat	ctgggcgttt	tagactattt	cccagagctgc	1860
tgtgtgtcag	gactgaggca	gatccagaag	aatctattaa	gcgctttggg	gatgagccac	1920
tttgatggaa	ttcatcgaca	tcataaaaatt	catcttccact	gctggagtaa	gagaactctg	1980
ggactgtatt	tggagacaag	ttcacgtggc	ttggagaagt	gagactgcta	ctcgggtggg	2040
aatggccact	gcctgtacta	tttgggtgtg	gagtcctgat	atgtcccaag	gtagccaaca	2100
cagggtccaac	tggtagggaa	gatggacgct	gctctgactt	acacaactga	acaggttctg	2160
gaggtaaacac	agtctgggaa	ggcattgtgc	tgatcacagg	ttccaaagga	ctaggttgat	2220
atattgcac	tacgggatta	atagtactta	taattccatc	tgctgtattc	accgcattac	2280
tctgggtcttt	cgcaatccgc	ggacgcgtgg	gcgacccggg	aattcgnggc	nggttctcac	2340
ca						2342

<210> 4823

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(560)

<223> similar to gi4263745 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4823

cttatgcttc	ttgctccccg	agggtctctt	tgcccgcgcc	ccctttgcc	ggagttaata	60
gcagcagtga	aactccaccc	ccgtacccc	ctaaatcccc	cagcttcggg	gccccaccgc	120
agaaggccgg	tgcgcaggcc	ttgcccgcgc	cgctgcccc	tccgggctcc	cagccgttcc	180
tgcagaagaa	gaggcatggc	cgaccagggg	ccggtggggg	aaagctaaat	ccacctccag	240
caccccctgc	gagatcacct	accacagagc	tttcaagcaa	gagccagcag	gccacagcct	300
ggaccccgac	gcagcagcct	ggaggtcaac	tgcgaaatgg	aagcctgcac	atcattgatg	360
acttcgagtc	taaattcacg	ttccattctg	tgggaagactt	tccgcctccg	gatgaatata	420
aaccatgcc	gaagatttac	cccagcaaga	tccccagaag	ccgtacacct	ggtccctggc	480
tccaagcgga	agcagtcggg	cagagctctg	atgacatcaa	aggcagaaat	tctcagttat	540
ctctaaagac	tcttcgggtga	gaaggcagat	gaagcgaagg	tcttgggggtt	ccaggttgca	600
gaacaacatg	tcagacccca	cccaccccat	gctcaagctg	taattcagtt	ggcatacagg	660
cttggaattg	agaattttatt	tattgtaaat	atgtgatttg	cacgggcttt	aaagcagtat	720
tttaattgaa	aaaaaaa					737

<210> 4824

<211> 1096

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(206)

<223> similar to gi4038076 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4824

gagattttga	atgtgaagaa	tgtcatgggtg	gtagtatcac	gctgggtatgg	agggattctg	60
ctaggaccag	atcgctttta	acatatcaac	aactgtgcc	gaaacatact	agtggaaaag	120
aactacacaa	attcacctga	ggagtcattct	aaggcttttg	gaaagaacaa	aaaagtaaga	180
aaagacaaga	agaggaatga	acattaatac	ctgaaactat	aggaaagggtt	aatttgccta	240
taattatata	tacattccat	agtcatacaag	gaatatattg	tgcagagaga	gtatccttga	300
ctgcttaagt	cagccagttc	agcatggata	ccaacattag	cttttcttct	tggttatatac	360
atctgccaaa	aatagagaac	ttatgatcta	ttcatgtgtg	tttcaggctt	atttgggaga	420
actaatttga	acttaatcac	catttcattct	aatttttagca	aggtaacagt	tgcccagggc	480
agtacctgga	attaactgtc	catttcagta	catgtcaagt	gcctttgtta	ggtggagaag	540
aaatgtctct	agaggaatat	aaatacctga	tttcctggtc	atcgagattc	ttgtactggt	600
aaatgaatat	tgccttttac	tgtcttttat	ggcttatttg	aataggagct	catttaagat	660
tgatcttggga	gagtttcttc	ttgtgatttt	agttcataag	tatgtcacct	ttcattttat	720
agtgttcctc	attgagtaat	ggattaagtg	aaaatccagg	agtatccatc	tgcagttatg	780
tgctgaggtg	ataattcatc	caacatatatt	gtttagcataa	atattatgct	tcagtttctg	840
ttgcaaattg	gtgattgtga	aattacagaa	agtgattttc	tagtctgctt	tttttgttta	900
attcttgtaa	tgtgaagcaat	aaatatggag	tgtcagtagt	ctccttcac	cccagaaatg	960
tgttggtgta	acattctcgt	ttcttttaac	aacctggaag	tacctttctt	gtgatcttca	1020
ctgaggaatt	agaactatga	tagaagttag	gctgtggcaa	atgggacatt	cgtagagtgg	1080
gatagaggtg	gcagat					1096

<210> 4825  
 <211> 1084  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1087)...(777)  
 <223> similar to gi438373 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4825  
 tttttttttg acaagtaata ttttttatta ttgaaaaata caciaagggtg aaagggttgct 60  
 gagcagctga ttttccatag tacaacagag tattataaga aagaggggaaa tgtatctggt 120  
 atatatggca gtttacattt ctaaggcatt taggcttaag agcactaggt cttgcacagc 180  
 taggtgcatt gtcttgagtt taaatatact gaggcacacc aggaggcaa aggattcaaa 240  
 actatacatt aaaaccttgt tcatgcattg gtgtcttagg atttttattcc ctaccctcct 300  
 tattcatttt tttcccacaa tgggggtttt gagttgttca tagaacactg gaaataatcc 360  
 gactcttcaa gagtttggtt acaatgacaa caccatggg gacacaccaa acagaactac 420  
 ttcacagata cattctgggtc tcttaccaaa atgaagctcc cagtaagaaa aacactggat 480  
 ttgcaaaggc acagtggaga caggtttaat gcattaaata taacatgaat cattcacaat 540  
 aacaagtttc gtgtttcagg gaacttttgt taatacaaca cagttgggtca cacaaaatac 600  
 aaatgcttct gttgatttgt cttggcaact cagatacatc aacagtgtca acagtttaac 660  
 agctttgttc tcatctgaca gaaaataatg gcagttctgc aaggcaaagt ttaaactga 720  
 ccgtatgtat ttattagttc cacagtgttt tgacagatta taggagatgg aactcagagg 780  
 atgctgacac gctcaccgag ggctttcatt tctgtttctt cagtctcagg agtgtcactg 840  
 tggctagcac ttggattgat cagggtgtgtg gggtagtgca gcccctgtct gcctgcatac 900  
 ttctcccacc tcaggtcatc actttcatgg gtgatgtagc gctccccgat tttgcattcc 960  
 agctctcgca aatctaacca ggtctgatag tcctgtagcc aagggtgggt caagggtctta 1020  
 tccacactgt agcgctttct catttttact tgcagcaaat tggtgataag atcaatgggt 1080  
 tcat 1084

<210> 4826  
 <211> 1749  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1750)...(607)  
 <223> similar to gi3283879 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4826



cccccttttt	tttttttttg	aaacaaagtt	ttaattttta	ttttacatat	ttatacataa	60
aacttttcaag	gaaccctctg	aatccaacag	aatgttaata	gcacatctaa	aaaggaactt	120
caggtagtca	acattcacaa	aatgttgaaa	actgagtaaa	atatacatat	tacggagagc	180
tacaacttca	ctacgaggca	ggcatgtatt	ttttgacttg	tatagcaccg	tcattttacag	240
ttcttcttta	aaactacagt	gaagaatgaa	aagtagtcaa	tgggaaaata	ctgttccaac	300
ttaaaaatctc	taaacaaata	aaaataaagt	taaaactact	ctctttttatt	aacctgatt	360
tgtgggtggg	tcagtactgt	acattttttg	taacaatatt	ttattaaaat	gcctgatatt	420
aagtggcaca	agtaaaaaat	taaaataaat	taagaagcaa	aggccaatca	ctggacatta	480
agcttcagac	attatcaatg	actaacactg	atatttgttt	ctgcgccacc	tttagcaaca	540
gcattttttac	aaccacagaa	gcaaaataaa	ttctagcttg	ttctctgggt	gaatggcttc	600
ttttcacttt	gcaggcattt	tctctgccat	gtgcttctgc	tgactttcag	catgtctggt	660
caagtcttca	atgtccacca	gcatggcatc	ctgctctgtg	tgcagctcat	ctcggatgag	720
aagcagctgg	accaactctt	cattcaagct	ttctatctgg	gaatggagat	cattgactat	780
cacttgtagc	tgcccaatag	tcatgtctct	caggtcggtg	ggtttttaaac	ttcttttcat	840
caagcattca	cttatatgag	gcatgtgtgg	cagaagatca	gcgacgggag	actttttcct	900
gttctgtttc	tccacttcta	cttgcathtt	ggccattggt	ttggccatgg	caagggccat	960
tttggcttca	gcttgcaatt	tcttttgctt	tgtaaggaag	tccatgtcat	ccaaggattc	1020
agactcctct	tcagttagtg	ctctatcaga	ataggaagaa	ctctgtttgc	tcatgggaga	1080
caaggggggtg	tccaagctgg	tttcagtctt	actgtcatca	gcatcactgt	ccttatcact	1140
gccactgtcg	ttgacaaagc	atatctgcaa	gttcatccca	ctctgcagtc	gggaggaaag	1200
gcttggtctc	ccacttttgc	tacagctggt	ataaattcct	gggccatcat	caaagaagct	1260
tccaagtgcc	aacttctgtc	tgatagactc	tctctcattt	ttctgtgcgg	aggtggagtt	1320
ggtcctcgcc	tggccctggt	tccgtacctc	ctgctcccg	aactgcagcc	cggccagatg	1380
cttctccagc	gcctcccaat	ccataggtgg	caccgggggc	tcttcgggga	cgcacgtccc	1440
gccgtctggg	ggctgaaggc	agagccccc	agccggccgg	ccgcggccac	tgcgcgggcc	1500
cccagccggc	tggggctttt	ggatcgcccg	gcgggggccc	cgggaacagc	tcggccggcc	1560
agccaccacc	acgttgccat	tgtgcctgag	gtcctggggg	tcgtgctggt	ggaggttgcc	1620
ggtgggcacc	gggggcggca	tggcggtggt	ggcgctcctg	ccccgcgcgc	cgcctgctgc	1680
ggtcctggcg	cttacgtccc	ccggttcccc	ggccggagag	cggtcatccc	ggtaccctcg	1740
ctggtcgcy						1749

<210> 4827

<211> 2301

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(820)

<223> similar to gi306714 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4827

aagaaattgg	ccctccagaa	aaatgtattt	tgtgagaaat	gtgaaggtgt	tgggtgggaag	60
aagggatcgg	tggagaagtg	cccgtgtgc	aaggggcggg	ggatgcagat	ccacatccag	120
cagatcgggc	cgggcatggt	acagcagatc	cagaccgtgt	gcatcgagtg	caagggccag	180
ggtgagcgca	tcaaccccaa	ggaccgtgc	gagagctgca	gcggggccaa	ggtgatccgt	240
gagaagaaga	ttatcgaggt	acatgttgaa	aaaggtatga	aagatgggca	aaagatacta	300
tttcatggag	aaggagatca	ggagcctgag	ctggagcctg	gtgatgtcat	aattgtgctt	360
gatcagaagg	atcatagtgt	ctttcagaga	cgaggccatg	acttgatcat	gaaaatgaaa	420

attcagcttt	ctgaagctct	ttgtggcttc	aagaagacga	taaaaacatt	ggacaatcga	480
attcttggtta	ttacatccaa	agcaggtgag	gtgataaagc	acggggacct	gagatgcgtg	540
cgcgatgaag	gaatgccccat	ctacaaagca	cccctggaaa	aagggtattct	gatacatacag	600
tttttagtaa	tctttcctga	aaaacactgg	ctttctctgg	aaaagcttcc	tcagctggaa	660
gctttactcc	ctcctcgaca	gaaagtgagg	attacagatg	acatggatca	ggtggagctg	720
aaggagtttt	gtcccaatga	gcagaactgg	cgtcagcaca	gggaggccta	cgaggaggac	780
gaagacgggc	cccaggctgg	agtgcagtgc	cagacggcat	gacgtggtgc	ggggcagcgt	840
ggccccaccg	gactagcaca	tgatgaatgt	aaagttagca	caatgaaaat	gacatcgctt	900
taatggcctt	gtgtttggga	tgctctgtgt	atgtgttcaa	cattcttaat	tgctgagtgt	960
ctttttggct	tttcttttgg	ttgtaactta	agttatagct	taatttatat	ttaaatgttt	1020
taagtataaa	tcacctctag	tctgcatatg	gaatctgttc	atctctatct	tcaggatata	1080
cttttgagat	gtcagtgatt	gcaccaacac	tttgtgcttc	tagtggcttt	gccataattc	1140
agtgtcacca	ataaggcaca	gcccagttag	cagcttagcc	cccctagcaa	acccaaggc	1200
acaaagtggg	catcctgact	catctctagg	tctgtggttt	ctccccctct	cccttggcag	1260
agttattgag	ggcatgatct	cagggctgct	aagataacat	ttctgaggat	tctagatgat	1320
cctcttaaa	gataaaaagca	catccgtgga	tcggacatgg	ctgcatgtgc	ctgcttaaca	1380
gggccaactt	agttcctact	gttctgtgcc	cttcagtggg	tggaacgtga	gtgtctgatc	1440
atctctcttg	gaagttttct	gaaccttcca	agctctgtgg	tgaggacaaa	ccagtgtttg	1500
aatcatatgc	tgataactgt	ttgcctgtga	ccctcacacc	ttgttcttca	gggttttaat	1560
gattttctgt	tgacaacttt	tgcaatgctt	tcccaccaa	gtgcttactt	gtaaagaaaa	1620
ctaaatcctt	ctgtgtcccc	ggcagcctca	gtgcagcaac	agaagccaag	ggagaatgct	1680
gctggtttgg	cccatggcac	agccagcttc	tctgaccagt	aatccggggg	gacttgaggg	1740
tctgcaaagg	catagaactc	cccagtggtt	tccacctcat	tctcccagat	tgagctccct	1800
tccaaaggat	cgttcctctc	attgcacagc	catattacaa	agggtttcct	gctcaagtga	1860
tgttttggta	agaacttcgc	tgagttccac	tgtggattac	agtttgatg	gactactact	1920
gtaaattata	gcttgtttgg	agggatatta	gtcattattt	tattcatgac	aggtagacta	1980
caattcgaac	ttagggttac	ctcagtcctt	agccattact	gcttatttct	tttccccaa	2040
tcacaaaaaa	cttgtaagct	gctgggttaa	agcagaggcc	acctgtcaga	tctaccctac	2100
ccttatttgg	ttacatggca	cctgagagtt	tactcagac	caggggatct	tccttaggga	2160
ggggtcaaa	tggcagatca	ggaccatggc	agggttaagg	ggaaccaggc	tggcacggga	2220
ccaggtttcc	ggcaaaacat	tggccagcta	gtgagggcac	aatttggtct	aaagtataga	2280
aacaggccac	ctggtggcca	c				2301

<210> 4828

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (165)...(242)

<223> similar to gi5912043 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4828

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aaaattacac	tttcacaaaa	tattttttgt	tatgctttga	gcttatgtaa	atgttttata	120
cttacttaat	tttattttctg	ggctccacca	aggctatgag	aacagatgat	gcaaaagaaa	180
ttatgagaca	cagtttcttc	tctggagtaa	actggcaaga	tgtatatgat	aaaaaggtaa	240
gatttcttta	tggcatagtg	tgtatatatt	ttggctgcac	tgctaaaatg	aattttattgc	300

caaaattatt	ttaagtgaat	aaaagttaat	gatgtaatga	tactttccat	tttaccgaca	360
tttaagtgat	tattgaactt	ctgtgcacaa	aattttactc	atgattttga	ctcccaaat	420
gcctcttgag	attttgctca	acatgatcac	agaatttttc	tatttttttc	ccataataat	480
ttgtttgctt	ctcattattt	ctttaatttt	aataaagata	ccaagtgtta	atttttcttt	540
aagaaaacta	gttaaaaattt	tttaatttgc	ccttatgtct	tttaatttta	agtgaacact	600
tcagattcat	ttatacaaat	ccttgtttta	aaagaaattt	aaagaaattt	gtttttaata	660
tttaatgaag	gtagtaaaca	cagtgtctta	ctttggactt	ctctgtcatt	tgaaacagaa	720
ctttattg						728

<210> 4829

<211> 2015

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1991)...(1716)

<223> similar to gi1872200 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4829						
gcgttggaat	tcgtcttatt	cgaggaactc	acatacccca	aataaccatc	agtgcacaaa	60
tcattccatg	ctctttggca	ccaggcagga	gatgctgcag	gcagggtgcc	gtagttggca	120
aaaatgggca	gtaggggaaa	tggagtgtct	tcaacctttc	tcagtcctcg	ccctcactgc	180
accacccaag	tcaagcagag	ctgggtgggc	tgagaccagc	atcccagctg	gactgagcct	240
gggggggagg	gctggagcca	aggagcccc	ctgggtgggg	gcatcaggag	caggggcagg	300
gcctgaggac	tgctccccct	gcatggaggg	caggccagga	tggagcccag	ggtagacttt	360
gaggaaggct	cagtgggctc	agcagaagga	aggctcttct	catagtgtgt	gtttttcaca	420
gatggatttg	ggtgatctga	gtgtggtcag	gccctgccgt	tggggaatga	atgccacacg	480
gggtttgtct	gtaagctgca	gtgtctgtga	ttctgtgtga	actgacagca	gggagctgaa	540
ggacaggccc	cggccttggg	agaggacacg	ggcatgggct	gctggatgca	gggctcccag	600
ggctgtgaag	gcagaggggt	ctctggaggc	agacagggtg	ggctgggggc	cagcagcagg	660
gggcagagcc	ccagccaggg	cagctgcttc	ctgcacatag	acattcctcc	tgcgcagggc	720
caagtgccca	tgagcacagc	cccagacaga	cacggtgggg	agcttgaggc	cctccgctca	780
cctagaggag	ccctgggaca	cgcactggaa	agtattctag	gggcttctct	ccttatcctt	840
ctgtttgttc	atacacttag	tgaaagcaga	tctgtacta	ggatgtgagg	atatctgtca	900
cctgcgtggt	ccattccata	aacaccagat	tccatttcag	ttgccacaca	ttttggggct	960
agacttccct	aaacaacatg	ccattgtgaa	ataatgcata	tatttgattt	tttaaatttc	1020
cctgaaaatt	taatctattc	tgttccatat	gaagtctgtt	tcactacctt	aaaaaataga	1080
tactccacta	gaggctgtgc	tttaattcaa	tccatgtgtg	tgctgcattt	acatgtgtga	1140
acacgtgttt	ctgtcgtgtg	tgatcatgcac	atctgtgtgt	tgcatagcat	aagccaaatg	1200
aaaatcattt	gttcatggga	ttcatatgag	gaacaaaatt	aaatttgaat	acagtcagat	1260
aactgccacg	cagggcattt	ggggaacccat	ccccgaatgc	cctgatgtga	tttccctcag	1320
aaaatccttg	ttattagagg	agaaggctctg	ggcaggggca	gcagcatctc	agacatcaag	1380
tcaactttat	catctactac	atcagcactg	aagtccaggg	gcattgaggc	actaactagg	1440
ttccattttc	tttggtttgg	ttacttattt	tttctttttg	ggttctcggg	gtgcagaggc	1500
tgtaaagaga	gcctcagggc	ggtgaccgct	gcaggaaatc	ggccctccag	ctccctcca	1560
gttaccagga	gccgatttgg	aggccaggcc	ttcccagctg	agtgtctgtc	agcttcattc	1620
tctctcagct	gtgcagggga	agagcaacaa	cagacagggtg	accttcttgg	gttgtgtctc	1680
acaatggact	gggaaaaaca	tctttgaaat	caggaaatca	ggccgggcgc	agtggctcat	1740

gcctgtaagc	ccagcacttt	gggaggcgga	ggcggtgga	tccattgagg	tcaggagctc	1800
aagaccagcc	tgggtcaacat	ggtgaaaccc	cgtctctact	aaaaatacaa	aaaaaaaaatt	1860
agctgggcgt	gttggcgga	gcctgtagtc	ccagctacac	gggaggctaa	ggggggagaa	1920
ttgcttgaac	ccgggaggcg	gaggttgag	tgagctgaaa	ttgcaccatt	gcactccagc	1980
ctgggcgaca	gagcaagact	ctctcaaaaa	aaaaa			2015

<210> 4830

<211> 2501

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)...(872)

<223> similar to gi386852 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4830

ggcacgaggt	accctgggag	aaaaaaattt	accctactgt	caactgtcaa	ccactgggaa	60
tgatctcact	gatgaaaagg	cctccaggtt	tttcaccttt	ccgatcatca	cgaatagggg	120
aaataaaaaga	agaaacaact	gtaagtccac	cccacacttc	catggcacct	gcacaagatg	180
aagagcgga	ttcaggaaaa	gaacaagggc	atactcgtag	acatgactgg	ggccatgaaa	240
aacaaagaaa	acataatctt	ggccatggcc	ataaacatga	acgtgaccaa	gggcatgggc	300
accaaagagg	acatggcctt	ggccatggac	acgaacaaca	gcatggctct	ggtcatggac	360
ataagttcaa	acttgatgat	gatcttgaac	accaaggggg	ccatgtcctt	gaccatggac	420
ataagcataa	gcatgggtcat	ggccacggaa	aacataaaaa	taaaggcaaa	aagaatggaa	480
agcacaatgg	ttggaaaaca	gagcatttgg	caagctcttc	tgaagacagt	actacacctt	540
ctgcacagac	acaagagaag	acagaagggc	caacacccat	cccttcctta	gccaagccag	600
gtgtaacagt	taccttttct	gactttcagg	actctgatct	cattgcaact	atgatgcctc	660
ctatatcacc	agctcccata	cagagtgatg	acgattggat	ccctgatatc	cagatagacc	720
caaatggcct	ttcattttaac	ccaatatcag	attttccaga	cacgacctcc	ccaaaatgtc	780
ctggacgccc	ctggaagtca	gttagtgaaa	ttaatccaac	cacacaaatg	aaagaatctt	840
attatttcga	tctcactgat	ggccttttct	aattttaagt	gctatgggta	tttctttcat	900
actttattaa	agtatcaata	tccctctctc	cattgtccag	atgaaaatat	cctgatataa	960
tgcacaaaaa	accatgcagt	ttcggaaacag	tctaaagaga	agtgggtgaga	ctcccagtgg	1020
agacaccatc	agtctccacg	gactgcataa	aattgtgtgc	cacaattcta	actcttttct	1080
gaatcttctt	cccaagtttt	ctaaactagc	acagtaaaca	gacaaactaa	tgtgcggtat	1140
ggcctgctgc	aattggcttc	tctgataaca	aatatgtacc	ttacaacata	tgtcatgaat	1200
ttgcatacaa	agattcttgt	cattcttaat	aaactgtggc	acttgggtatt	tgaatgtgtg	1260
tgaaaataag	ggaagtcaag	agattaaatg	ctgaacttat	taatggaata	gaaataataa	1320
ggaggctgag	gctggagaat	tgcttgaacc	cgaggggcgg	agggtgcagt	gagccgagat	1380
cgtgccactg	cgctccagcc	tgggcatcag	agcaagattc	tgtctcagaa	aaaaagaaaa	1440
aaaaagaaat	aataagaaaa	acttccagat	ttcaaagtaa	caagaaagaa	gacaggttgg	1500
ccaaagggag	gaaagggggg	acataaatta	attgactttc	tattcccaaa	atgggctagt	1560
tatatcaaat	aaatactccc	actgcccttt	ctgagtgaga	gtgtttctca	taagtcaaaa	1620
atctctgttt	actcattaac	tactctttgc	aacaggcttt	catatagaag	tattctgttt	1680
atctttgtctg	agcctagatt	gagtaattct	tagtttacag	aagctccgag	cttaatgata	1740
aggatgaaaa	gcagagggag	caatatagaa	gcaggcttgc	taataaaaact	ttttaataaa	1800
ttgacaaggg	aatattatgg	aatgtgatgc	aaagtttgtt	ccgaaatttt	atgaggaaat	1860
tactctctag	tctcacttta	tagtcttttt	gctatgactt	tgaagaccat	tgatttttga	1920

gaagcagaat	aataggattg	ccttttcattg	ccctatagtg	caaagaaggt	atatgcttta	1980
taaccaatgt	tgtacttttg	cctagaaaaa	caagatatgg	ctttaaatag	ctacaatcat	2040
ctttggatgt	atatgtcact	gctgcttcaa	gttattggat	gcatttgaac	ctctgagttt	2100
gtctttcatt	ttaaataattg	tctgttcttt	taaataaaca	accacagatg	tcaggaaaaa	2160
gtcttacctt	gtcaactggg	tgtctcactt	tttaaaaatg	attgaatgat	aacatcatat	2220
taactgcgtt	ttactatact	tacagagtca	cctaagggtc	tgcgagtaca	agggtcgacc	2280
cccaaaggca	ggggcagagc	agtcattctga	ggaggggagg	tctcttggac	caatggggca	2340
gaatctttca	ctccagggca	cataggcccc	aaccacctct	ggccaggcaa	ccttgaggag	2400
ggaagggaca	aggaaggaaa	gatgggatag	aatttaaata	gagaagaatg	ccattttatc	2460
actctggcct	ctgggtgaaa	taaagatcag	tcttgatgtt	c		2501

<210> 4831

<211> 1456

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (33)...(766)

<223> similar to gi2618596 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4831

gtcgtagacc	atagtgcattg	aggcgggaatt	ccccgcgggc	catgagggaa	tacattgcct	60
ccaagcaccg	actggggctt	tccagctcgg	ccctgccgcg	cctcaccgag	gccgaaagga	120
ggctgctcaa	gggcacgggc	gacttctgcg	cgctcaacca	cttcaccact	aggttcgtga	180
tgcacgagca	gctggccggc	agccgctacg	actcggacag	ggacatccag	tttctgcagg	240
acatcacccg	cctgagctcc	cccacgcgcc	tggctgtgat	tccctggggg	gtgcgcaagc	300
tgctgcgggtg	ggtccggagg	aactacggcg	acatggacat	ttacatcacc	gccagtggca	360
tcgacgacca	ggctctggag	gatgaccggc	tccggaagta	ctacctaggg	aagtaccttc	420
aggagtgct	gaaagcatac	ctgattgata	aagtcagaat	caaaggctat	tatgcattca	480
aactggctga	agagaaatct	aaaccagat	ttggattctt	cacatctgat	tttaaagcta	540
aatcctcaat	acaattttac	aacaaagtga	tcagcagcag	gggcttcctt	tttgagaaca	600
gtagttctag	atgcagtcag	acccaagaaa	atacagagtg	cactgtctgc	ttattccttg	660
tgcagaagaa	accactgata	ttcctgggtt	gttgcttctt	ctccacctg	gttctactct	720
tatcaattgc	cattttttcaa	aggcagaaga	gaagaaagtt	ttggaaagca	aaaaacttac	780
aacacatacc	attaaagaaa	ggcaagagag	ttgttagcta	aactgatctg	tctgcatgat	840
agacagttta	aaaattcatc	ccagttccat	atgctggtaa	cttacaggag	atatacctgt	900
attatagaaa	gacaatctga	gatacagctg	taaccaaggt	gatgacaatt	gtctctgctg	960
tgtgggtcaa	agaacattcc	cttaggtgtt	gacatcagtg	aactcagttc	ttggatgtaa	1020
acataaaggc	ttcatcctga	cagtaagcta	tgaggattac	atgctacatt	gcttcttaaa	1080
gtttcatcaa	ctgtattcca	tcattctgct	ttagctttca	tctctacca	tagctacttg	1140
tggtacaata	aattattttt	aagaagtaaa	actctggggc	tggacgctgt	ggctcacacc	1200
tgtaatctca	gcactttggg	aggccgaggc	ggggagatca	cctgaggtga	ggagttcgag	1260
accagcctgg	cccaacatgg	tgaaccatg	tctctactaa	aaatacaaaa	aattagccag	1320
gcgtggtgac	agtggcacct	gtaatcccag	ctacttggga	ggctgaggca	gaagtttgaa	1380
cccaggaaac	aggttacagt	aggccaaaat	tgcgccactg	cactccagcc	taggcgacaa	1440
cagcaagact	gtgtcc					1456

<210> 4832  
 <211> 1486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(401)  
 <223> similar to gi3805821 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4832

aacctcgcat	ttgagaagac	cgtgaaaata	aggatgacgt	tcgacacctg	gaagagctac	60
acagactttc	cttgtcagta	cgtgaaggac	acttatgccg	gttcagacag	ggacacgttc	120
tccttcgaca	tcagcttgcc	cgagaagatt	cagtcttatg	aaagaatgga	gtttgctgtg	180
tactacgagt	gcaatggaca	gacgtactgg	gacagcaaca	gaggcaagaa	ctataggatc	240
atccgggctg	agttaaaatc	tacccagggg	atgaccaagc	cccacagtgg	accggatttg	300
ggaatatact	ttgaccagtt	cggaagccct	cgggtgttct	atggtctggt	tccagagtgg	360
ccaagttact	taggatatga	aaagctaggg	ccctactact	agtgactgca	ggtgacaggg	420
cgtggcggag	ctgccacaga	cacacctagc	tctgctcact	gtgcagtgga	gatggaaggc	480
cagggaggag	caacgtggaa	cttccatgag	gccccgtttg	ggaaaataaa	aggatcctct	540
tcacttcttt	cttaaacagc	aaatccagcc	aggttcagat	tacacaacca	gtgtctcact	600
caaaggagca	gtgggtggctg	gcgcgctttc	gcactgtggc	agccacgaga	gtctgtgcac	660
gtctgtgctg	gaaagggtat	ggatgggaat	caagcctatg	ccagtgctga	tgaagctgga	720
ggagtctctc	ctctgctctc	cactcagatg	tgggacatca	gtcgccaaaa	gccactcagc	780
cccagccacc	tcgcgtgaga	ccctcactgt	tcatttgtgt	catctttgag	tgctctctgc	840
cagccaggcc	tttctgcaa	gctgctgtgc	ttccccgtcc	acgtgtatct	ctgctgtgac	900
acactgacct	gacgcacatt	tccagtgcag	ctgcagaaga	gaaatgggat	tggtctttgt	960
tttctgcaag	ttcatgtttt	gcatttttatg	ttcttccaca	attgatctga	tggtcaggaa	1020
aagataataa	aggcaaatta	gtagtggtt	gagacaggca	tttctctctc	ccgcttcttg	1080
actccacaga	tatattccag	cagagagcaa	cacaccagtc	atcaaaaacc	actggctcct	1140
gtgcggtgtc	acagattgca	gggttctgac	aaggcaggac	agtcaagagt	ggggacactt	1200
tcagcttcta	cttttgccct	ctagggggag	ctttctaagt	ccccacattt	accccgagtc	1260
accggaaaaa	tctgattttt	cccccgaaag	ctcaatgact	ttaacgtgct	tggttggttt	1320
gtctcattct	ttatgaaaga	attttggggc	cgggcgcggt	ggcttatgcc	tgtaatccca	1380
gcactttggg	aggccgaggc	aggtggatca	cgaggtcagg	agatcgagac	catcctggct	1440
aacacggtga	aacctgtct	ctactaaaaa	tacaaaaaaa	ttagcg		1486

<210> 4833  
 <211> 1736  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1278)...(715)  
 <223> similar to gil537070 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4833

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gaaataaaaa	ggcttaaaaa	acaaaatggt	tgcaaaaatg	gttaagtagt	tttggtatat	120
cctaattgct	taggtgtgct	ctgtaaattc	caaataagta	aaataatata	aaaatacatt	180
ttcatatctt	tatagaacaa	aaacaaaaca	ttaaatgctt	ttggattttc	tttactcctc	240
ccacagatga	gttcacaaat	acaaaaactg	gtgtacattt	atactcaagt	acaaatctcc	300
aacagccaag	taattatagt	ttgttctggt	atgtgcaaag	tagattattt	catatttact	360
tggtatggaa	agcagagtac	aggctcaatg	gacaataatc	attaaacaca	gattatgttt	420
aagaaaatgc	tggtgtaaaa	atgtacaata	gtacatacaa	ttttggtaat	tatgcacttc	480
ttttaagta	aatacagctt	ttagatataa	atctttcaaa	ggttttcttt	gaagagctgt	540
gaggtgacta	tttcagattt	gatgaacagt	aatttgtcag	taaacttctc	aaaaaaccaa	600
tccaagaaag	aattgttttc	ttttccctc	catgtggtcg	gtttcattct	taaggaaggt	660
ctgatgcagt	aagaagatgc	atttcacaaa	cctttacaca	agtttgtgaa	ctgtcaacta	720
aagacaccac	ctctgatgtg	gatggtttca	ttcaatccat	gttcgaccag	ctttatatct	780
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tgctgcttga	tttctcgtaa	cagatctgca	tctatgtaat	acctttcttc	agatctgact	900
gctccaaaat	gattctgcat	cctgatttga	gacatcaatt	catttagtcg	gcccttgaac	960
tgagtaggtg	catttagttc	accctgaatc	gtatccagct	gaaactcgcaa	ctgctcttca	1020
tcagcctgaa	tggcataacc	actcttcctt	tgaatttcct	gtttgattag	gacctgtaaa	1080
gttctatggg	aaagatccat	gagtttcctc	ttgtattgtg	caattttggc	tacagatgta	1140
gtttgattct	ttttagctc	actaatatct	tcagatatga	tatctaactc	ggtttgatgc	1200
tgcttagtca	tctgatcttg	aaccttcagt	cttcggagaa	gttccttaaa	acccaccatt	1260
ggtacaggaa	ttaaacctgaa	gaaacgcagt	gaacaatttt	cagaccttaa	gcctattact	1320
acaaaataca	agaagtgaag	gttttagtaa	cactcatgta	attttacatc	aactttctag	1380
ggctataagg	cagatctatg	actatgagat	aaccatgtta	taccaaagag	attttattca	1440
acctccctat	tttacaaatg	aggaaataca	gttcagtcaa	aacattacat	tattaaatga	1500
aaacgcaaat	agaattttcc	gctcctagtt	agttctcact	atgctatgct	gccttaccat	1560
aatctttttt	ttttcttatt	ttttctttt	tgttttggct	gaagcttttag	ctggacaata	1620
atcaatat	tttaaggcc	aggaaaatga	aaataaaact	gcctcatatg	taagaattat	1680
aattaatagc	tcccatgttt	gctttcctag	tagcaaatat	tagttcttaa	atgaaa	1736

<210> 4834

<211> 1231

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1232)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (865)...(462)

<223> similar to gi4469186 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4834
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atttctctcc  cagcccccg  aaataaaatt  ggatccccta  aaacggcccc  cccttttttt  120
tttttttctt  tgaaataatg  tttattccac  gctgtcccga  cagccccctc  tgcaggtoct  180
ctcgggtgtac  tctgaggtgg  gaaacctctc  ctggggggcg  tgaaggggaa  ctggggccac  240
ccccccagcc  agcagatgct  ccagcagcca  gagccccagc  ctggagctga  ggctcttctt  300
ggggctcgcc  gggccccctg  aggcttttcg  gacctcagc  cagcccggtt  tctctgtctt  360
tgggcagcag  caagctggcc  cttgggcacc  tggactgtc  accagccgcc  cagccatggg  420
tctgtctctc  caggttcctt  ctgacagatc  catctctgtc  agagcaaggg  actcaggcct  480
ggaccatctt  ctgggctgtc  actggggctc  tcagtggcca  tcccagctct  gcgctggccc  540
ttctggagcg  tgtaggcaga  cggccccagc  cgcaggatct  tcccgtgtcc  caggcactcg  600
tcccccttgt  agaacacagc  aaactgtcct  gtggcaaggg  cagcacagc  ctgcacagct  660
gtcaccacac  cgggtgccatc  ttgattgagg  gtcagcacac  agggcactag  tgccatctgg  720
tggcggaatc  ggaagtggca  ctccatcatc  ttgtcccga  ccagtgtgtc  gggaggctcc  780
tccgcaatcc  agtgacgcg  gctggctctc  agcagggtcc  tgtacagggc  tgggtggtct  840
gtccgggggg  cctgcagaat  ggaatgtgaa  ggtggggacg  ccgaggggca  cctggcccca  900
aggccggcct  cagtgtgtgt  cctgggaaca  actgtcctac  cagcacacac  acacacaggt  960
aacggtgctg  gcaccgctcg  aagtgttcta  cccacagaaa  ttcattctat  caccgcggg  1020
gcctttgaat  ccccatttta  cagatgagga  gactaaggcc  caggaaggaa  gtaccatgtc  1080
agagtgggca  agaggcagg  gtgagatccg  agcccatgac  agtgaatgct  gcaggttcaa  1140
gtctgactca  ggccctctac  ctgcaaccac  ctgtggggca  gcagcacggc  ccccttnann  1200
cnnaattcc  ggaccgagac  cttgcagcgt  c  1231

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<210> 4835

<211> 1501

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1502)...(478)

<223> similar to gi5442098 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4835
tttttttttt  cagctacat  tgttttttatt  gttactgagg  ctgtcagtgc  cgcttggaag  60
cactaacact  ttttccatt  tctgcctca  gccatttca  caggtgagga  aatctgaggc  120
tcagtgagg  acttcattcc  ctttcatctt  ggtaaattcc  attttaccag  ggggtggggt  180
gggtcgctct  ttatcggtgc  ctggctttcc  tcttccagg  ggtgcagtta  ggggaagagt  240
ccatttcccc  tgtaccctca  tttagcccca  ggattgcct  gccaaaaga  tgacactcct  300
gcccccagtg  tctggatgg  gaggcctccc  agccttccca  agcaatggct  gtaatcctgt  360
gggtacagag  tctggctgg  gatcctgctg  ctctgctgg  agggaggagt  ttggcctcat  420
tgggagactc  ggtccttgc  ccacgggtac  cgggtgcctg  gagtcacact  gcccctcacg  480
gagagatttc  tggcctcttg  tcttgaact  ctattctgtc  ctgtccttg  ctctccagcg  540
gctccagggt  gctgtgcttg  tcttgacca  tctttcccg  agtctttaga  aatctgaaca  600
ggagtttctg  ccccggttcc  ttcttaatga  tattaagctt  ataatagtgg  cgcagggcac  660
gagacatctt  ctctaggtc  atgttcaccc  ggttcttgt  atttccccag  agtctggcga  720
gcccatttgg  atccacaact  cggaagatct  tggcgtcctt  gtcttccac  ttgatgtagg  780

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tgcagccgag	ctctgcacag	tgacataagt	tgagggactc	ctccttgcca	gggggccacc	960
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tggggcgacg	gtgccggaag	tcgtccttgg	tgaggatgca	gagggcgcg	ccgttcatct	1260
cgaaccctg	ctccgcgggtg	catggcagag	agtactcctg	ctctgcccag	cgcagccagt	1320
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<210> 4836

<211> 5532

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(3662)

<223> similar to gi3043716 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4836

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ggtgaatgcc	actgtgccct	tgtctgggccc	ctcagggctg	ctgggagagc	tacggaacaa	180
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gtcctcaggg	ctgctgtgcg	agttcagtga	tcgaaggctt	ttggacaagt	gggtggagct	300
gagggctctac	cccagaggta	aggatagtaa	ccaggcctgc	ctgcccccca	gttctcttat	360
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<210> 4837

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1334)...(592)

<223> similar to gi36613 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4837

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gggatccggg	gaacgccttc	tctcctctcc	ctcactccct	cctgtttaac	ttgggactga	180
actggaactc	aactcttccc	ccaaacattt	taaatccaaa	aagaccagca	gggggcgccc	240
tttctcagg	gtctggcctt	gcaggcaggg	caggtgaggg	cctgaatacc	cacaccacgc	300
tctggcaggc	cccctgcctt	caacttggca	cttggtccag	tgcgcgggga	cccctcgtgc	360
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atcgctgcag	cacatactgg	cgggcagctg	gggagggctc	aggggatgag	aagtacgggt	660
gggccagggc	agtcttggct	gtgatccgct	ggctgggggc	atactgcagg	agttgcatga	720
gcaggctccct	gccctctggc	tccagattgg	gcacaatctc	ttccagtccc	ttcctgggtc	780
acttagggaa	gctgccctta	tagtcaggca	gctgggtgac	ccggggccat	gtgtcttcgc	840
tgggtgtccc	cagcatacga	aagatacgaa	agagctgggc	aatctcagag	tccccaggaa	900
acagggtctt	tcgagtcacc	atctctgcaa	agatgcaacc	aatgctccag	atatccacag	960
ctgtggtata	gaacttgctg	cccaagagaa	tctcgggggc	gcgataccac	agtgtcacca	1020
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ggaactcaaa	caccagatag	agcttctctt	cgttggtgcac	cacgtccagc	agtcggacga	1320
tggtgggggtg	ctctcgtgcc	gaattcga				1348

<210> 4838  
 <211> 1121  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (157)...(630)  
 <223> similar to gi951303 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4838

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agctggccca	ccttcatagc	cctgttactg	caccgctacg	tggtagcgcg	ggtgatctgg	180
gccgacatgc	tctccatcgc	cgtgacctac	ttcatcacgc	tgtgcctgtt	ccccggcctc	240
gagtctgaga	tccgccactg	catcctgggc	gagtggctgc	ccatcctcat	catggctgtg	300
ttcaacctgt	cagacttcgt	gggcaagatc	ctggcagccc	tgcccgtgga	ctggcggggc	360
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gtctacccca	gcggcatgcc	cgccctccgt	caccccgccct	ggccctgcat	cttctcactg	480
ctcatgggca	tcagcaacgg	ctacttcggc	agcgtgccca	tgatcctggc	ggcaggcaaa	540
gtgagcccca	agcagcggga	gctggcaggg	aacaccatga	ccgtgtccta	catgtcaggg	600
ctgacgctgg	ggtccgcctg	ggcctactgc	acctacagcc	tcaccgcga	cgctcacggc	660
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cctcagggtc	cagccatgcc	ccaccctgga	ctgaagttct	gcaaagtcct	ccgaggaccg	900
gaacacgttt	ctgcgacccg	gggctctggc	cagcactgag	atctgcgttg	ggtctcatac	960
ctgcgactac	ctttcatctg	agatcagcgg	ccccggctcc	agcccagcca	tcactctgca	1020
gggtcacacg	cgccgcgtgc	ccacccaaga	cagcatacac	ccgccataga	gtgcccccca	1080
gcgatggcac	cctgcctga	tcaccatcgg	atctgatggg	g		1121

<210> 4839  
 <211> 1926  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1822)...(487)  
 <223> similar to gi3347848 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4839

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agcccccaac	cctctgactg	aaaagccagc	agcaggctgc	atctctgagg	gccatacctg	180
ctttgtaccc	accttggggc	ctcagagcta	gctactctag	aggaccacag	gggtgcagaga	240
gggtgtcctg	agggtccttc	ctaagaggga	ttcctgagga	gggagctgag	accctaaggg	300
cagcagcaat	cttctgggta	aactgctccc	cttcactgtc	ccacctaggg	gtggggaaga	360
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gcttctgcgg	agcacatccc	ggatcttgcc	aagagagcca	ctcctctgca	gggtcccact	660
gccatccccg	gaccactcca	cagccacaga	agcatcttca	cctccctcga	atttcacact	720
gtctccaggg	ccctccggg	aggtccttct	accatcactc	tccccaagca	gctctgccac	780
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ttcctg						1926

<210> 4840

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (897)...(531)

<223> similar to gi3800952 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4840

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tgaacataa	atgaattttg	tgtttagatt	tgggtcccat	tccaagata	tctcattatg	180
ctatgcaaat	attccaaaat	tcaaaaaaat	ccaaaagctg	aaacacttct	ggtcccaagc	240

atttcagaca	ggggatactc	aagcagtagc	tatttttaac	atagagaagt	tcactaattt	300
tctttccaaa	acatatataa	gtgaattaag	aaactaatac	tttattagga	atgttaaatgt	360
ccattaaaag	tataaccaac	atccattcat	aagagtgacc	tttggaaga	ttttgtaagg	420
gtgcaaataa	gactttaagg	gaagtggaca	tccagtacaa	agaagagatt	ccatgtttgt	480
ggctcaatgt	cttacactta	aatttcacag	tgcctcaaga	ttctcaggag	ggcaccaca	540
tgttcccatg	cgtatccggt	gctttgacat	aaggaatgtt	ccatatccat	ggccgatctt	600
tacttccata	cagttctgga	ggcaaatacat	atggcacagg	aaaggtggcc	attggctcct	660
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ggaaaaggac	cccagagctc	taggagcgga	tcatacagct	ggtgccattc	ttctccaatg	780
ctccccaggc	agccttggac	agatttgccg	ttgtgacaag	gaaccaagca	attttactga	840
agtctggaga	aggcctcata	tatgtcttaa	tatgtggcat	ggcattgctg	cggccagaag	900
tct						903

<210> 4841

<211> 1274

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (39)...(773)

<223> similar to gi4826433 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4841

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tccaccggtt	tccgttcagc	cgcccggagc	tgctgaagga	atgggtgctg	aacatcggcc	180
ggggcaactt	caagcccaag	cagcacacgg	tcatactgtc	cgagcacttc	cggccagagt	240
gcttcagcgc	ctttggaac	cgcaagaacc	taaagcaca	tgccgtgccc	acggtgttcg	300
cctttcagga	ccccacacag	caggtgaggg	agaacacaga	ccctgccagt	gagagaggaa	360
atgccagctc	ttctcagaaa	gaaaagggtc	tccctgaggc	gggggcccga	gaggacagtc	420
ctgggagaaa	catggacact	gcacttgaag	agcttcagtt	gcccccaaat	gccgaaggcc	480
acgtaaaaca	ggtctcgcca	cggaggccgc	aagcaacaga	ggctgttggc	cggccgactg	540
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ggaagcgctt	gcaggcccag	aggctgggtg	tgcaaggat	gtccagccgc	ctccgtgctt	720
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acggaaaaaa	aaaa					1274

<210> 4842  
 <211> 6565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(4628)  
 <223> similar to gi2224583 in the genept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4842

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cttatgtcag	ccagtcaaac	caaatacagag	agtgtggaag	aaaagggagg	aggccctcca	180
cgggtgcagca	tcactgaact	gcttcagatg	tgctggccca	gcctaagcga	ggactgtgtt	240
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gaggtcaagg	taggaaatcc	ctttgttctg	ctgcaacaga	gctcttccca	actggtgtca	600
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cgagatgtgg	acgatttgag	cagcataaag	gatgcagtcc	tgagctgtgc	tgtggcatat	1380
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gactagactg	atatgagatg	aggctaaaag	cctttgaaca	ccacgctgta	gtctccaaca	6480
gaaaaacacc	acaaaaacag	atacccatgt	tgaggggttg	aatgttttac	tacaaacaag	6540
ccacaataaa	gtgtctatca	acatg				6565

<210> 4843  
 <211> 2273  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2059) ... (1148)  
 <223> similar to gi5921491 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4843	
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aattaaatga	attactgttc
atacagttga	aaaaattcaa
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agacagaccc	tgaatcaata
gggacaggaa	ctctcccat
ggtgccatga	ggcaggttca
ctccagaagg	gtcactcatc
tgtcctcaga	agacactagc
gctttttcta	aagagcagga
tgtgtggctc	tgtctgggga
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gcaggctctt	ccgtctatac
cctgcacttt	ttattttag
ctcgccacct	cttgtctgca
tggtcagact	cccaaccacg
tcttgaaaag	accctcactc
gactctagag	cgagcccagg
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agtcattgta	ggagcccttg
agatgcgaat	ggagcccacg
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cagccacaag	cacaaagact
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caaggaggta	cctcaccctg
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gatggcctca	tgggcctccc
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ggtgtgcgtc	acgaagctga
cgggtcaaagt	
aagccatggt	

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acggaggaca	ccagggccca	ggtgccccac	gctgcttttg	tgatgtggct	gtttctcact	2220
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<210> 4844

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (43) ... (214)

<223> similar to gi4581563 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4844

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aagggaaaat	caaaggcagc	agcggaaagg	atgatacttg	aggaattcgg	acgatgtttg	180
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aaattataat	actgaaggag	aagaaatttt	aaatgaggaa	attagtacat	tttaaactct	420
agttaaatct	gcttatgccc	cttctaaatt	gaatttttct	ttattatata	gattttttta	480
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aattcatata	atttataatg	tatggtgttg	tatgactttg	ttaatagaaa	agccaaagca	600
gcagtgggta	gcacccattc	tttgggactt	gatctagaat	atctgcagac	agaatgttac	660
ataaacaat	tcttatgaaa	cacattcaaa	tgacattttg	tatttagaaa	aggactatct	720
tttaagaaa	aagcagcctt	ttagggccga	ttctggaata	atatcctggt	gtcactttgg	780
gaatgtcaga	aggggaaaca	atccccaggc	acactaaaaa	ttttttaaag	ttatttataa	840
aaacatataa	aatattaaag	gacagtaaat	ctcagaggat	gggcaatgtg	tttctataat	900
aaggaaaggc	taacagatgc	tctggggctg	tctcca			936

<210> 4845

<211> 2131

<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2133)

<223> similar to gi4589470 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4845

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tggtgaagaa	catggacgtt	tcatggagaa	gcttgaaact	cgtatccgta	atcacgaccg	300
agaaattgag	aaaatgtgca	actttcatta	ccagggcttt	gtggactcta	taactgaact	360
gctgaaagtg	agaggagaag	cccagaaaact	caaaaatcaa	gtgacggata	ctaatagaaa	420
actacaacat	gagggaaagg	aactggtaat	agcaatggaa	gagctgaagc	agtgtcgact	480
acaacagaga	aatatttctg	ccactgttga	taaattaatg	ctgtgtcttc	cagtcctaga	540
gatgtacagc	aaactgaggg	accagatgaa	aactaaaagg	cattatcctg	cactgaaaac	600
tctggaacat	ctagagcata	cctacctgcc	tcaagtaagc	cactatcgat	tctgcaaggt	660
gatggtggac	aacatcccc	agcttcgaga	agaaataaaa	gatgtttcta	tgtccgatct	720
caaagacttt	ctggagagca	tccgcaaaca	ttcagacaaa	attggagaga	ctgccatgaa	780
gcaagcccg	cagcaaaagaa	acctggataa	catcgtcttg	caacaaccca	gaataggtag	840
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ggtacctggg	gcccagatt	tggtggattt	ctctccagtt	tatcgatgtc	tacatatata	1020
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cgcagcactc	cgtaccact	cgtcttactg	ttctgatcca	aaccttgtgt	tagatttgaa	1320
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agagatgtac	aaaaaggtgg	taggacaatt	cccatttcaa	gatatagaac	tggaaaagca	1560
accatttcca	aaaaagtttc	ctttctctga	atttgtgcc	aaagtttaca	accaaattaa	1620
agaatttate	tacgcttgte	tgaagttttc	agaagatctt	catctaagct	caactgaagt	1680
tgatgacatg	attcggaat	caacaaacct	gttgctaacc	aggactctga	gcaactctct	1740
gcagaatgta	attaaaagga	agaatatagg	gcttactgag	cttgtccaga	ttattatcaa	1800
tacaacacat	ttggagaaat	cctgtaagta	cttggaaagaa	tttatcacca	acatcactaa	1860
tgtgcttcca	gagacagttc	acactaccaa	gctctatggc	accacaactt	ttaaggatgc	1920
tagacatgca	gctgaagaag	agattttatac	caacttaaac	cagaagattg	accagttcct	1980
acagctggca	gactatgact	ggatgaccgg	agatttgggc	aacaaagcta	gtgattacct	2040
ggtagacctc	attgcctttc	ttcgtagcac	ctttgctgta	ttcacacacc	ttcctgtaag	2100
tggcagttgc	tcttactttg	tcctttatat	a			2131

<210> 4846

<211> 2254

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (66)...(2041)

<223> similar to gi2344810 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 4846
tttcgtgact tccggcgagg ggcggaggcg gaggcgcagg cgctggctgg caggtgtcgc 60
taaccggacg gtgggtcgcca gggcgagagg cgggagccgg agaggactca ggtacttctg 120
ccctcccttt ggtctccctg ttcttctatg tggtagacaga tggcaaggaa gtcctactac 180
cagagggttg ggccaagggg cagttgaagt ttatcagtg gacacaccag gaacttggtg 240
acttccgctt tacacttttg ccaccaacca gtccagggga tacagcccc aagtatggca 300
gctacaatgt cttctggacc tccaacccag gactgcccc gctgacagag atggtaaaga 360
gtcgccataa tagctggttt cagcatcggc cccaggggc ctcccctgaa cgctacctcg 420
gcttgccagg atccctgaag tgggaggaca gaggtccaag tgggcaaggg caggggcagt 480
tcttgataca gcaggtgacc ctgaaaattc ccatttccat agagtgttg tttgaatcag 540
gcagtgccca ggcaggagga aatcaagccc tgccaagact ggcaggcagt ctactgacct 600
aggccctgga gagccatgct gaaggcttta gagagcgctt tgagaagacc ttccagctga 660
aggagaaggg cctgagctct ggcgagcagg ttttgggtca ggctgccctc agcggcctcc 720
ttggtggaat tggctacttc tacggacaag ggctggtatt gccagacatc ggggtggaag 780
ggtctgagca gaagggtggac ccagccctct ttccaccctg acctcttttt acagcagtgc 840
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atgctgatgg ctggattggg agggagcaga tactggggga tgaggcccg gcccgggtgc 1020
ctccagaatt cctagtacaa cgagcagtc acgccaaccc cccaacccta cttttgcctg 1080
tagcccatat gctagaggtt ggtgaccctg acgacttggc tttcctccga aaggccttgc 1140
cccgcctgca tgcctggttt tcctggctcc atcagagcca ggcaggccca ctgccactat 1200
cttaccgctg gcggggacgg gaccctgcct taccaacctt actgaacccc aagaccctac 1260
cctctgggct ggatgactac ccccgggctt cacacccttc agtaaccgag cggcacctgg 1320
acctgcgatg ttgggtggca ctgggtgccc gtgtgctgac gcggctggca gagcatctgg 1380
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gcctggatga gctgcactgg gcccagagc taggagtctt tgcagacttt gggaaccaca 1500
caaaagcagt acagctgaag cccaggcccc ctgaggggt cgttcggtg gtgggtcggc 1560
cccaacctca actgcagtat gtagatgctc ttggctatgt cagtcttttt cccttgcctg 1620
tgcgactgct ggacccacc tcaccccgcc ttgggcccc gctggacatt ctagccgaca 1680
gccgccatct ctggagcccc tttggtttac gctcccttgc agcctccagc tccttttatg 1740
gccagcgcaa ttcagagcat gatccccct actggcgggg tgctgtgtgg ctcaatgtca 1800
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accaggctac aggttttctt tgggagcagt acagtgaccg cgatgggcca ggcattgggt 1980
gccgcccttt ccacggctgg accagccttg tcttactggc catggctgaa gactactgaa 2040
gggagggaga ggaggggagc caagacactc atgccactct ggctctgaag ggacaaaggc 2100
ttctggcttt tgccccagc cccttgata ccagtaattc aaaccttctt catttcatct 2160
caggtgtctc cttgctgtca tcccacatag ccctggggtg aatgtgaatc cagagtctat 2220
ttttctaaat aaattggaaa aaacaaaaaa aaaa 2254
```

<210> 4847

<211> 2322

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2226)...(1764)

<223> similar to gi3294491 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4847

tttttttttt	ttgggtttga	gagtttaatc	tgtgctctgg	cgcccacagt	gctgcagccc	60
ctcatggggc	agagacaggg	tgcacgggga	ctcccagccc	ctacccggca	agagaggcat	120
cactgacgct	gcatctgcca	tgcgctcctg	gtgtgactgc	accctgtcag	gccagacccg	180
gcttgagcca	acttagccaa	gccagcgtca	gtgtcaccag	cctcatgggt	ggagccaccc	240
tcatgtctgt	ctgcagcacc	ctctgaaccc	gatatcccca	ggcctgggag	gtgctgaagg	300
ctcaggacgc	ctcttattgc	tctgaagtct	ttgtgaccaa	gtggagtgtg	gtgactgtgg	360
ggccaagaga	gaagctgcca	ggtacaggga	aaggcgctgg	tagggagcca	gccagaaggt	420
gcagcatccc	gggatggccc	tgctgagtct	gctgtcaggc	ctgtgaaagg	tcagcagagc	480
caaggagcag	gcaggagagg	ctggagcccc	gcccagaacc	ttggcgagct	ggtggccctg	540
ccaagtcctg	ctggccactg	aagagggaat	ccaggggcaag	gcaggtgacc	tcctgggcca	600
ccagtctcta	accctacccc	cagcctaggg	aaggggagga	caggaaagaga	ctggatgctt	660
tgtaaaggac	ttcctgttct	tggggacata	actctcgtcc	cctcccagag	ccctggatga	720
ctgacaggca	ttccttggcc	aacacatgct	tgagccgcgc	tgctggctgc	agggcacctg	780
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tcaaattccat	tgcttgacac	agttgttcaa	agttaaaaac	tgtttggtag	cagcactgct	960
ctgagctccc	tgactgcag	cccggagttc	agtgaaggcg	tccacgccat	ggtagctgct	1020
ccgtccaaat	cacctgggta	taaatgcaca	cttgagacag	cagagcttta	gctgggctgc	1080
gtttacagaa	ctgggcagca	gccctgggta	tctgaaacgg	aacagacact	cagttgtgac	1140
atcagagtgg	ttttcaagga	agtaggggag	gtgggagagt	ggtgagggca	gcactttgca	1200
cccaagggca	gggagatgcc	acctgggagc	agccgcctcc	tccactccca	ccctgctggg	1260
aggcacaggg	acacagaagg	ctccgctgga	ctttcagtca	tactgatggg	gctctgggtc	1320
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cctgaatgag	tttttcaata	aaatacagga	cacacacccc	tagaccgcgc	tcagtcccat	1440
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ccaaggccca	gaaccagacc	cacaatgcct	tccaagccta	aaagtgcata	ttcgattaca	1560
agcatctgta	aacaaaatcg	tccccaaac	gtgtacttac	aaggttaaca	atgaatgcct	1620
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ctattaattt	gggtaactgg	ttttcaattt	cttttttttt	attctgcaga	ttaaagacac	1740
tcaatcttta	accttgaagg	gcaggcaaaa	ggtcggctat	gctgtcaaca	tagaagtcag	1800
ggaccatttt	cttcttagac	acgcagtcac	tttctgatt	attcttcaca	tcccctagag	1860
tggagactcc	ggtgagggtc	aggatgggtc	tcaggccaca	ggtggcgctc	aggaggatgt	1920
ctgtgtccag	gcggtctccc	accatgacgg	tgcgctcggg	gttgatgccg	tattcctggg	1980
acacgcagtc	gaaaaatgaag	cggctgggct	tcccgatgat	gtcggcctgg	cgctgggcgg	2040
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gaagccggtt	gtccatgttg	gtgcccacga	gcaggcaccc	gggctgctgc	aggtagcgca	2160
gggccttggg	gagcttcatt	tagctgaagt	gcgggtcaaa	gccctccacc	tccgcgcgca	2220
ctgtcgtggc	tccatgcggc	gctgtgcatg	ccatgtcgcc	gggacgcctc	gccctgcacg	2280
tggctcgggc	cccactgccc	actgctggcg	acgcctcacg	gc		2322

<210> 4848  
 <211> 1328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1314)...(490)  
 <223> similar to gi3881771 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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<400> 4848
tttttttttt ttacttttaa tatttaatag gaatttgggt taggtgtaac aatgtgtgta      60
ttggatctca aaacatgtta tattttaagc aatggcttgg agagaactaa tcaattcata      120
ttctgcattt ccagccaaag ggacataggc acaactgact ggtggcacct tcctgtggga      180
agcctcttcc atccatctac agcattgata cttttataaa gtatgaattt atcttgcttg      240
aagagttaag tctcattttt catggttaat gcaggattgc tcataccagc tttgcatttt      300
cctgggttta tgctgctctc cgtccaagac tgagaatcag taagaagggtg gctctgggac      360
tctctcaatg gctttgcagg aaactgatgg ttttcgagat ttttagctgt ggaattcagc      420
cctgcaggag tagatgcttg ttcaggatcc tggttaacaa ggcaagttgg aaaggagcag      480
ccatcaccta gacttgaaaa aatgggtagc aaccagtact tcttctcatc accaaaaact      540
tgtcgcatgt ttttactgaa acccaagctg aatccattct tatctgttcc atgtcgaaat      600
actggacttc tgaatgcctc taatgtagat ttatttttgc tgactagccc aaccaatgat      660
agccaaaaca gagaagacaa gctgacagaa aacatagctg cagcaaagaa taaaaacata      720
atatggaact tggcttgagt atcaggtagg ccatttgtcc aaaatttgat aaaatactgt      780
aaatctgttg ccgcaataaa aaggcagtag agcagagaat aagccaagaa aaggagaaag      840
aacttataat ttgaaaatcc aacgcaattg ttcacccatg gacaatgatg atccatcttc      900
aaaatacatt tatcacagac ggagcagtgga tggcagcgat ctggttttat aagttggcat      960
ctgtcacagt atcggatggc tccagacatg gtcctgggat agatgggaag atccttggct     1020
gctcgccata gaacttcctg atgggcttct cctcttggct ctctctccaa caaatctttc     1080
tctgcataag agagatggaa ttcttttgaa ggattcattg gtaatgtaaa gatagttttc     1140
cagtatgacc agacaaacat tgcaaaaagt agatgatagg ccatcaggca cacaacttgt     1200
tcgccagtgt tttccatgga cactatgcac agctggatgg cgtaggcgta gtaggaccag     1260
ccgagcagga gggatgatgaa caccaccggg atccagtaca gcacccgccg gcaccgccgc     1320
ctggcgct

```

<210> 4849  
 <211> 929  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(570)  
 <223> similar to gi4240279 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4849
ggtggaattc cccactacct gcggggcgctg aacaacgcgc gccagccgtg gcacaacgcg      60
gatgtccggc tgcggtacgg gctgcggccg gggaaaccca cggaggaggg cctggccagc      120
ctgcacacgg tgcgtgtccg caagcagccg ttctgtggc gcgctgcact gctctactac      180
accatccacc gcgccgcgcg catgtccttc cgtcagctct tccaggacct ggagcgctac      240
gtgcaggacg ccgatgtgcg ctgggagtag tgcgtgcgcg ccaagcgcgg ccagaccgac      300
acctcgctgc caggttgttt cagcaaggac caggtgtacc tggacggcat cgtgcgcatt      360
ctgcgacatc gccagaccat cgatttcccg ttgctgacct cactgggcaa ggtgtcctat      420
gaggatgtgg accacctgcg gccccatggg gtgctggata ataccgggt gccccacttc      480
atgcaggact tggcacgcta ccggcagcag ctggagcaca tcatggccac caaccggctg      540
gatgaggcgg agctgggtcg cctgctaccc gactgatgtc cgttgagggc tgcagtcaga      600
ggccctggac agaagctcca gataggcccc tagaacatga agcagtttgc tctgtgcgtc      660
cacggcctag gtgtttcttg ggggtgttgg gagggcagga gcattccttg aggaggagtg      720
gcaacatcaa agtgtttgtg tcccttgcca gcctccctgg ggtctgggga cctgcagcag      780
catgtctggc aaactgagtc gccctcctgc ctccagctct ctgttgagca gagggaaagg      840
atgggggcag gaagagagct gagcattgat ggggatgggg gtggtttggg aatagaaact      900
tgttcttgca tgagatggct ttggatgcg                                     929

```

<210> 4850

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (173)...(375)

<223> similar to gil293734 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4850
tttttttagaa cgaactttat ccatagtagc agtgtacatt cccactagca acttaggaga      60
gttttcagtta ctctactcca catccttcca acagttgata tcaccagtgt aactgcataa      120
gtaatgttaa tttaaagata cagcaaatgt ttttgtttct ttatttcaga tgagaaataa      180
cttttagacat tatttcattg aaccttccca actgaaatta ttttatgatg ttataacatg      240
gatagtaact caagtagcaa taagttacac agttgtgcca tttgtgcttc tttctataaa      300
accatcactc acgttttaca gtccttggtt ttattgcctg cacattcttg gtatcttagt      360
attattgttg ttgccagtga aaaaaactca aagaagaaag aatacacatg aaaacattca      420
gctctcacaa tccaaaaagt ttgatgaagg agaaaattct ttgggacaga acagtttttc      480
tacaacaaac aatgtttgca atcagaatca agaaatagcc tcgagacatt catcactaaa      540
gcagtgatcg ggaaggctct gagggctggt tttttttttt tggaggtaaa caaaaaccaa      600
tcttaggcac cttttcaagg ggggttgagtt tgttgggaaa aggcagttta actgggggga      660
aatggacagt tatagataag gaatttcctg ttacaccaga ttggaaatgg agtgaaacaa      720
gccctcccat gccatgtccc cgtgggccac gccttatgta agaataattc catatttcag      780
tgggcactcc caacctcagc acttgtccgt agggtcacac gcgtgccctg ttgctgaatg      840
tatgttgcgt atcccaaggc actgaagagg tggaaaaata atcgtgtcaa tctggatgat      900
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ttgttcctaa atggtatttt caagtgtaat attgtgagaa cgctactgca gtagttgatg      1020
ttgtgtgctg taaaggattt taggaggaat ttgaaacagg atatttaaga gtgtggatat      1080
ttttaaaatg caataaacat ctacgtatgt gaagggtttt cttaaagtat gtcaaataac      1140
tacaatccat agtgaaactg taaacagtaa tggacgccaa attataggta gctgattttg      1200

```

ctggagaggt	taattacctt	gtgcagtcaa	agagcgcttc	cagaaggaat	ctcttaaaac	1260
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tgacgaagga	aggcaggaat	gaagaagcac	tgcgtggcct	ccggtggaat	gcacggggca	1380
cagccgcgac	tctgcaggca	gcttcccccc	catgccaggg	ctctgcgccg	tcatgtgaga	1440
cttaaaaaaa	aagttgaatg	acttcgtgat	actttggact	tctaaattaa	atttatcagg	1500
cataaattat	gtagaattag	aggctttgaa	aataaactcg	gtaggttgct	caaaggtttt	1560
gaaagagaaa	tcgctaggta	ggttactatc	tggctaatac	atttcttata	cttgacaatt	1620
a						1621

<210> 4851

<211> 4797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4798)...(2398)

<223> similar to gi5689491 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4851

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tgaagccaga	attgttctat	aaaagtatca	tggaaatatta	tacatgatta	aaaaacagag	120
tatgcttcct	aataacttga	aatcttttta	caaagcacat	tattcatgat	cataaatatg	180
tttgttctgt	catcccaccg	atgatacaca	catcaggcaa	gcagctaatt	tgaacatatg	240
tacagagtct	atgataaaga	tttaaagtta	ccaaaaagat	tcagctataa	catattaaat	300
tttctttaaa	agagtttacc	ataaacactt	aaagaaaaca	taatttatct	aagcacttga	360
attatctaaa	aataagaaga	aaacctctct	tagggtaagc	aaaaacacat	catcttgggg	420
agctgaataa	aagggtagct	atgactcagt	gaggtaatcc	ctttagctgg	tatttaaaaa	480
cctaatacac	aacaaggata	ttttcaagaa	tacagatttt	caaaagcaat	tttgaactat	540
gtcttttaaaa	gatatcagaa	cttgggtgaag	gtcttacaaa	taatcataga	acacaatggt	600
aagaaattaa	cttctcttgt	ggtatgttga	aattgtggag	cattcatgat	tttcttttat	660
tgagaagttc	ttgggtgtaa	ttcaaaacta	gtcatatttt	atcaacattt	aagcttctta	720
gtcatgccaa	gaaaaccaaa	aaagatgaaa	ataaaagatc	tttagatctt	tttctcctgt	780
caagaaaata	acccaaaata	tagcaatctt	aaaggtagta	tgtatgatga	acgctttgag	840
gctaggcaca	gagagagcag	gcaatcttca	ttttgtttac	ttatttattt	attttcacca	900
ccaacattat	tagccatgcc	tttctgctaa	tcgattttag	caagtcgagg	taaaacacat	960
gcaacatttt	ctggcaaaaag	cttaaatgtca	aacaatatgt	gatccatact	gtgtgtcgtc	1020
cttggggggt	tatttgactt	tgtcacaatg	acagccaaca	gtgagactga	taagcctgta	1080
aaaaataaaaa	aataagacta	atcaaataga	catggcattt	taatctcaaa	gtgcaaaatc	1140
atctaactga	aaatgacggc	attgaaaaat	tccagtgggt	aaaaatgaat	caaaacttca	1200
ttacgcaggc	agtgggaagt	tgttgaaaga	tttaccaggg	gtgtcaagtt	ttagacactc	1260
agaaaggcac	cattctagcc	atcttgattg	gataacatgt	atatacttat	gtccctacga	1320
tattcaaaaag	ataaactgtg	tttagtacia	aacaacaaa	caagcaaaaa	atcaaaacca	1380
agccaaccca	aatatcccca	gcctttcttt	ctactcttgg	cagatagtaa	attataacga	1440
tgagtctccg	tgtgcacacc	gcttgtctac	atgctcacta	gcttctactg	cacaaaggta	1500
cccagggtag	cttggaatgt	tgggtggctgt	gattaccttt	attagttttac	aaataaaaaa	1560
gttaaaaaaga	aatactgtgt	ttagggtaag	gtaacagttt	ccacctaata	aagaggagag	1620
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<211> 2478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (141)...(1746)  
 <223> similar to gi5689561 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4852

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gagatgggac	ctgcactgga	gccatgcctg	atggagctct	ggacacagct	gtctgcgctg	180
acgaagtggg	gagcgaggag	gacctgtatg	atgacctgca	cagctccagc	caccactaca	240
gccaccctgg	aggggggtgg	gagcagctgg	ctatcaatga	gctcatcagc	gatggcagtg	300
tggctctgcg	tgaagcactc	tgggaccatg	tcaccatgga	cgaccaggag	ctgggcttca	360
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acaagattgc	tcagtggcag	agctccatag	aggactggga	gggagaagat	ctcttgggtca	1200
ggagctcaga	actcatctac	tcggggggagc	tgactcgagt	tacacagcct	caagccaaaa	1260
gccagcagcg	aatgttcttt	ctctttgacc	accagctcat	ctactgtaag	aaggacctgc	1320
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tcgcctccca	gcccctcaag	acaccgctgg	ctgctggaca	ccctcttcac	ttgtgtgtgt	2400
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cagtctgcct	gctgctgt					2478

<210> 4853  
 <211> 1321  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (221)...(639)  
 <223> similar to gi5002553 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4853

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gcagggtggc	acccctgggg	ggaaagccat	ggaatttgtg	gatgtgactg	agagcaatgc	180
acgctgggtg	caagacttcc	gcctcaaggc	ttacgccagc	cccgccaagc	tcgagtccat	240
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ggccagcagt	ggctccctgg	ccgtatcct	gcagcacttc	cactctgaga	gcaaaccat	360
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tgccagctcc	accgtccccg	ccgtgcagaa	cctgctcttc	ctctgtggca	gccggaaatg	660
aacctgctgg	gtagatgcac	cccctgagac	agcccagggtg	tctccagagg	cagccccgtc	720
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ctggagggtc	caaacccccca	tcctcctgca	tgttctctgg	agcagcagcc	tcctgccccca	900
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tggtcagcca	gatctgacat	tgagcccagc	attgaagatc	aaagcagggtg	gggctttggg	1260
atgtgaagtg	ggttctgacg	cggggcccca	cagacctgtc	tccgcgtgag	cttgcctgcag	1320
g						1321

<210> 4854  
 <211> 3264  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3265)...(589)  
 <223> similar to gi4587965 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4854

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caactccaaa	ttccaggtct	gatgcttagg	gtgttagtca	ttaagcaaat	tcttcctgat	180
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cccggtcccc	gcttcttacc	cccaaccacc	agtgaagggtg	tttttagttct	ccccagccac	300
ctgagctagg	ggcaggagac	cttcccttcc	aatagagttc	cttggtgaag	gtgacttctt	360
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gtgtatgaat	agctcccaca	gaagtgcga	gtgttaaaaag	aacccttctc	catgacctga	480
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ctgctcatgc	tggagtcttg	agctccacca	ggagtccctc	tgggctgcgc	agcaagtggg	660
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gctctgggct	gcctgtggct	ctccgggggg	ctcctcgctc	tcgggaatgt	ggggcatggc	3120

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<210> 4855

<211> 1130

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (182)...(505)

<223> similar to gi3687482 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4855

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ccctggccgt	gaaggcccca	tcttcttcgg	agatgagcag	cacggctttg	tgttcagcca	360
caccttcttc	atcaaggaca	gcctggccag	gggcttccag	cgctggtaca	gcacatcac	420
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gggaatcatc	gatgagctcc	agggaaggc	gctcaagggtg	tttgaggcag	agcagtttgg	540
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ggaatcagaa	agctgggaca	actctgaggc	tgaagaggag	gagaaagccc	ctgtgttgcc	840
agagagtaca	gaaggggcgg	agctgaccca	gggcccggca	gagtcctcct	ctctctcagg	900
ctgtgggagc	tggcagcccc	ggaagctgcc	agtcttcaag	tcctccggc	acatgaggca	960
ggtaggtggc	aggggcacag	cgcatcatga	gctcaggagg	agagccaatc	atgggctgtg	1020
cctgccaca	cgccttgctt	ctggaccctc	caccttgaaa	accctgcagg	aagtgaactga	1080
cagcctcctc	ggtgggtggc	tgatggcaca	gggcgttggtg	ggtattatcc		1130

<210> 4856

<211> 1523

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1393)...(890)

<223> similar to gi4220590 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4856
tttttttttt ttctgatcat aaaatattta ttaaggtata ctttagggaa tatagtgaat 60
ataaaattta ggatcacaat atgaagccaa tttccaaatc ctctccaaag gtcagcacag 120
ccctccaaaa ctctgcagat gtaaaaccac tgggtgagaca ctaaaagcag ttcgactagt 180
agagaagtgg attttcatga acatttacaa cttagagcata tgaatacctc ttttaagtgc 240
aaaaccacac cacattacac taatgcagca acaatgcatt cattattggt ctcattagtc 300
attagtagtc aacttgcata aaacaccaga aaaaagcaca atggagttca caaagtgggc 360
taaaaaaaat gaacctgtcc ttgcaaaaca cacattgtaa tggaagaaga gacgttaaaa 420
aagtatatgc acactttaga agctgtgttc attccaagga tctcaagtgt catttccttt 480
tctgtaaaat caaattacaa gaaccaggca caactaatat ttgggaggca gtgtgtagct 540
aaaatttcat ttaactagtt attcaatgat ttttaaaatc cccataaatc ttttctgtcc 600
tgaggtagtt gcaaaaataaa tcataaacttg gatatcaact agagctgagg ctttgacttt 660
ttactcatta aaactagttg ttacaggaac tacctttaga tatttaaaag acagttgaga 720
aatgggcctc ttactacaca cacaagatga tggctatgtg ggaaagagga ttagctgctt 780
cagaacgtga gagatacagt ccaccatttc ttccaccctc cccaccctt ttagattctt 840
tattgtccaa aaagccacca tgaacaacac agtgaaagca ggcagatcat cgtcctttgc 900
tgtagccagg gaagaaaagg tcaagtagag tctgcagaat ctcattggga atcatgatgt 960
aattctggcc aagatcatgc cggcaagcag ggcaggagaa aacctgtgcc ttaaaggagc 1020
gctgtaggca atctttacag acattgtgga agcactcagt tgtcacaggc tggtaaaacta 1080
gcctctgaca gcaaagcac ataaaagatt gttccaattt tttcagaaaa tttggtcctt 1140
ccacaagatg tgaagcact tcatcccaca gcttctggtt ttgacaatct tctctgatga 1200
gatgttgctg ttgaggagtt agttgaaaag cctcaattgc ttctgctgaa tctgatgctt 1260
tgtacacttt ggaggcactt ggacagtcac catctgaaat tggccttttt gtggttccac 1320
tgggctgctt ctttgactgt cctttaggct tcttcccttc tttatctgaa gggtaacctg 1380
ctggatactg atggggggga ggaggagag tacaatgcag atttaagctt cacagagaag 1440
gggggttttag atcctggtga gaaattaaaa aggaggggaa gactacacgt tctcaaaact 1500
gaaaagcttt acataaaaga aac 1523

```

<210> 4857

<211> 2459

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(1017)

<223> similar to gi4734010 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4857
gctgggcgct ttttctaaca ctttcacatc ctgctgctct tcaggcagga cccagatgtg 60
tccaggctta cccagacctt tgtcacgac ttcatccag ctcttcctgc aacctttctt 120
tatatgttac aagttaaata tttgctcaac caggggaattg tactgccccca gatcgtaact 180
ggagttgcag ccaaccttgt caatgccctc gccaaactatc tgtttctcca tcaactgcat 240
cttggggtga taggctctgc actggcaaac ttgatttccc agtacaccct ggctctactc 300
ctctttctct acatcctcgg gaaaaaactg catcaagcta catggggagg ctggtccctc 360

```

gagtgcctgc	aggactgggc	ctccttccctc	cgccctggcca	tccccagcat	gctcatgctg	420
tgcatggagt	ggtgggccta	tgaggtcggg	agcttccctca	gtggcatcct	cggcatgggtg	480
gagctgggcg	ctcagtcctat	cgtgtatgaa	ctggccatca	ttgtgtacat	ggtccctgca	540
ggcttcagt	tggctgccag	tgtccgggta	ggaaacgctc	tgggtgctgg	agacatggag	600
caggcacgga	agtcctctac	cgtttccctg	ctgattacag	tgctctttgc	tgtagccttc	660
agtgtcctgc	tgtaagctg	taaggatcac	gtggggatca	tttttactac	cgaccgagac	720
atcattaatc	tggtaggctca	ggtgggtcca	atttatgctg	tttccacact	ctttgaagct	780
cttgcttgca	cgagtgggtg	tgttctgagg	gggagtggaa	atcagaaggt	tggagccatt	840
gtgaatacca	ttgggtacta	tgtggctggc	ctccccatcg	ggatcgcgct	gatgtttgca	900
accacacttg	gagtgtatgg	tctgtgtgca	gggatcatca	tctgtacagt	ctttcaagct	960
gtgtgttttc	taggctttat	tattcagcta	aattggaaaa	aagcctgtca	gcaggggtgcc	1020
ctgaaaacct	tgaaggaatt	ttaacgaacg	atgttggaag	gacaggcgag	cctcagtcag	1080
atcagcagat	gcgccaagaa	gaacctttgc	cggaacatcc	acaggacggc	gctaaattgt	1140
ccaggaaaca	gctgggtgctg	cggcgagggc	ttctgtcctc	gggggtcttc	ttaatcttgc	1200
tggtagggat	tttagtgaga	ttctatgtca	gaattcagtg	acgtggtagg	aaagaaagtc	1260
aggtcaagt	atgcttttga	gcttacacac	aattcacagg	cccaccagt	acaatttact	1320
gtgagttaat	gtcattcagg	tgtgcccag	gatttttgagg	gctggaaatg	caaagacaca	1380
tttttctata	aaaagaaaaa	gcaactaagg	ttaaaagcta	tattgtggcc	caagacactg	1440
tctgaaagat	gacatgagta	gtaattcacc	actatctgaa	ccaagcaagg	atcaatgtgc	1500
tgactgcatt	ggccaatggc	tttgatactt	ctgctatttt	tttagacaca	aaccataaaa	1560
ctaactgctt	aagaattcat	actgcttgaa	ttatgtaaaa	tatatattac	agtatatctt	1620
tccttgggcc	ttagattact	attcactggg	caaattggat	ttgtttttgt	tttaattttt	1680
tttttaatag	acggaagtct	tgtctgtca	tgtaggctgg	agtgcgggtg	tgcatcata	1740
gctcactgca	gcctcgaact	cttgggcttc	aagcaatcct	cctgtgtcag	ccaccagagt	1800
agctgagact	acaggggtat	gccaccatgc	ccagctggca	ttgtttaatc	ttcatttgag	1860
gtctagatct	aggcactgtg	gacactgaaa	aacagttggg	aaatctttcg	agctgtggaa	1920
atccaaacaa	agactgataa	ttcctggtag	gggtgtgtgc	gtgacgtact	gcagcctcaa	1980
cctcctgggc	tcaagtgate	ctcccacctc	agcctcctga	gtagctgaga	ccacaggcgt	2040
gtgccaccac	gcctagctaa	ttttttatac	cagggtctac	cctttgtttc	ccaggctggg	2100
cttgaattcc	tgggatcaag	caatccttcc	accttgccct	cccaaagtgt	tgggattata	2160
ggcatgagcc	accacgactg	gccagaggac	aaaattttta	taaaggtctt	agcttaagca	2220
gtaatcctac	ttcattaagc	cttctctggg	tgcggtacac	accgttaatt	cagcaaccct	2280
cagtacatac	taagtatgct	cagtgtgtgt	aaagtggatt	acaccaaatt	aagtcattct	2340
tatcacaccc	aatcaaaagt	caagaagcca	ggggataaaa	gcaccttcag	ggcacataac	2400
attaatctta	gtaatgttaa	ttcttctggc	acatccagct	ggtggaaact	gcgtgctgt	2459

<210> 4858

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (15)...(168)

<223> similar to gi297157 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4858

gcgggtggaat	tcgtgcgttc	ttcacaaagg	tggtaggatgt	gggtgccacc	tctctgaagc	60
ttgagatctg	ggacacagct	ggccaggaga	agtaccacag	cgtctgccac	ctctacttca	120

ggggtgccaa	cgctgcgctt	ctggtgtacg	acatcaccag	gaaggtaggg	ccgccttga	180
ggcacgtccc	accctccttc	ccaagcacct	gccttctggt	ttctccagtg	caatgatgcc	240
atggcgtaat	cacaaggaac	agagactcca	ttagtgagca	acagtcacct	cctccaggat	300
ggcctcctga	caacccccca	tcctcctcca	cagtgggggt	ctgctcctcc	gtggtccaca	360
aagaacatgc	cgttgccatc	tgccactcag	tagttcctgg	tgctgcatta	gggtcaggg	420
ttgggggtgt	ggccagtccc	ccagactctc	ttgcacaaag	tggctccttg	aggacagcta	480
ggcgtgggag	attcaggagc	tcgaggcctg	acctgaaata	ccccgtggct	ggcagtctcc	540
tgggcctggt	cagggtgaag	gatctgatgt	gtgtcctagc	agttttctgc	ctggccgcac	600
aggtcaccca	ggacaggaac	gtgccctcct	cagaggaacg	gagcagccct	gcagggtgcgc	660
ccatggccag	ttggattt					678

<210> 4859

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (242)...(762)

<223> similar to gi305335 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4859						
ggaggaattc	gggggagagg	ccaggaagag	gggaaggtct	gggaggacct	ggagggcgca	60
gcccagggac	aaggaggggc	aggagggagc	ctggactttg	gaggatgggg	aaggcaggcc	120
agggcccggg	gtgggtgaag	acttctcagg	actaggccag	gtaggcaacg	aacccccagg	180
aacactggcc	caagacaacg	ccctccccca	accctgcac	cctccatcca	cagcccggag	240
gtgcagcact	ttctacaacc	tgcccacaga	gcaatcttcc	ctgagaaaga	tctgccacaa	300
agacatctgc	agatgtgcag	agggacagtg	cccatccctg	cagaagccca	gtggccaatt	360
gaggcaggag	gagctccaga	caacagcatg	tgaggcaggc	gtggattttg	tgtacaagac	420
aaagctggaa	tctgtggagg	tctctgcctc	caacccttac	gtctattaca	acacgcagct	480
cgaagacatc	attaagagtg	gtacggaccc	tgccacaccc	ctggccatga	agaaattcgt	540
ctcccatgcc	acttgccatg	actccctggg	gttgcaagaa	caggaatcgt	acctcatcat	600
gggcccagag	tcagacctgt	ggagaatcaa	atctgattac	agctatgttc	tgggcaagga	660
gacgttcttc	atcctttggc	cagcagatgg	agatgccagc	aagaaagaat	tgcgggacca	720
actggaggaa	tttttggaa	atatgcgcac	ccacggctgc	cagtcctgag	cctcttctgc	780
tttcagggag	gtgtcatcag	gcagctctgg	gccactgggt	tttaacccca	ataaagagca	840
caggatatga	cacccaaaaa	aaaaa				865

<210> 4860

<211> 3066

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature



<222> (32)...(2858)

<223> similar to gil62613 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4860

acccgcccgt	aattccccggg	tcgacgattt	cgtgcgcagc	ctgctggcca	taggctttgg	60
gctcgtgttg	gctgcgtcgc	acttgctggg	cacagccacc	ttggtccccg	ccaagcgccc	120
acgtctcttg	aggacgctcg	gtgccaatgc	cttgctcttc	gtcgggtgtga	acatgtatgg	180
ggctcttttg	cggattctga	ctgagcggtc	acagagggaag	gcgttcctgc	aggcccggag	240
ctgcattgag	gaccgactga	ggctggagga	tgagaacgag	aagcaggagc	ggctcctcat	300
gagcctcctg	ccccggaacg	ttgccatgga	gatgaaggag	gacttcctga	agccccctga	360
gaggattttc	cacaagattt	acatccagag	gcacgacaat	gtgagcatcc	tgtttgctga	420
catcgtgggt	ttcacgggct	tggcatccca	gtgcacagcc	caggagctgg	tgaaactcct	480
caatgagctc	ttcggcaagt	tcgatgaatt	agccacggag	aaccactgtc	gccgcatcaa	540
gattctcggg	gactgctact	actgcgtgtc	gggcctcacc	cagcccaga	ctgaccatgc	600
ccactgctgt	gtggagatgg	gactcgacat	gattgatacc	atcacatctg	tggtgaagc	660
caccgaggtg	gatctgaaca	tgcgtgtggg	tctgcacacg	ggcagggtcc	tctgtgggtg	720
cctgggcttg	cgcaagtggc	agtacgacgt	gtgggtccat	gatgtgacct	tggccaatgt	780
catggaagcc	gctggcctgc	cagggaaggt	tcatatcaca	aagacgacct	tagcgtgctt	840
gaatggggac	tacgaggtag	aaccgggtta	cgacatgag	aggaacagtt	tcttgaaaac	900
tcataacatc	gaaacctttt	ttattgtgcc	atcccatcgc	cgaaagatat	ttccaggcct	960
gattctctca	gatataaaac	cggccaaaag	gatgaagttc	aagactgtct	gctacctgct	1020
gggtgcagctc	atgcactgcc	ggaaaatgtt	caaggccgag	atccccctct	ccaatgtcat	1080
gacctgcgag	gacgatgaca	agcggagggc	attaagaaca	gcctcggaac	aactcagaaa	1140
ccgctcatct	ttttctacca	acgttgtcta	caccaccccg	ggcactcgcg	tcaacaggta	1200
catcagccgc	ctcttagaag	cccgccagac	agagctggag	atggcagacc	tgaacttctt	1260
taccctgaag	tacaaacatg	tcgaacggga	gcaaaagtac	caccagcttc	aggacgagta	1320
tttcaccagc	gccgttgtcc	tcacctcat	cctgggtgcc	ttatttgccc	ttgtctacct	1380
tctaataatc	ccacagagtg	tggtcgtcct	gctcctgcta	gtattctgca	tctgcttcct	1440
gggtggcctgt	gtcctgtacc	tgacatcac	ccgggtccag	tgttttccag	gggtgcctgac	1500
gattcagatt	cgcactgtcc	tgtgtatttt	catagtgggtc	ttaatctact	cagtagccca	1560
aggttgtgtg	gtgggctgcc	tgccctgggc	ctggagctcc	aagcccaaca	gttccttggg	1620
ggtcctttcg	tctggggggc	agcgcacagc	cctgcccacc	ctgcccctgc	agtctacaca	1680
ccatgccctg	ctctgctgcc	tgggtgggcac	cctcccgccta	gccatatttt	tccgggtgtc	1740
ctccttgcca	aaaatgatcc	tgtctctccg	gtcaccacg	tectacatcc	tcggtctgga	1800
gctcagcggg	tacaccagga	ctgggggtgg	tgccgtctcc	gggcgcagct	acgagccgat	1860
tgtggccatc	ctgctcttct	cctgtgcgct	ggccctgcat	gccaggcagg	tggacatcag	1920
gctgaggctg	gactacctct	gggcccgcaca	ggcagaggag	gagcgagagg	acatggagaa	1980
gggtgaagctg	gacaacaggc	gcacctctct	caacctcctg	ccggcccacg	tcgccagca	2040
cttcctcatg	tccaaccctc	ggaaacatgga	cctctactac	cagtcctact	cccagggtggg	2100
cgtcatgttt	gcctccatcc	ccaaacttcaa	tgacttctac	atcgagctgg	acggcaacaa	2160
catgggggtg	gagtgtctgc	ggcttctcaa	cgagatcatc	gccgactttg	acgagctcat	2220
ggaaaaagac	ttttacaagg	acatagagaa	gatcaagacc	atcgggagca	cctacatggc	2280
cgtgtggggg	ctagcgccca	cctcggggac	caaggctaag	aagtccatct	cctcccacct	2340
gagcacgctg	gcggactttg	ccattgagat	gtttgacgtt	ctggatgaaa	tcaactacca	2400
gtcttacaac	gactttgtcc	tccgagttgg	catcaatgtt	ggccctgtgg	tggttgaggt	2460
gattggcgct	cgcaggcccc	agtacgacat	ctggggaaac	acagtcaacg	tggccagtcg	2520
gatggatagc	acaggggtcc	agggcagaat	ccaggtgact	gaggaagtcc	accggtgct	2580
gagaagggtg	ccctaccact	ttgtgtgccg	aggcaaagtc	agtgtcaagg	gcaaaggcga	2640
gatgttgaca	tactttctag	aaggcaggac	tgatggaaac	ggctcccaaa	tcaggctcct	2700
gggcttggtg	cggaaaatgt	gtccatttgg	gagagctggc	cttcaggggc	gacgtcccc	2760
cgtgtgcccc	atgcctggcg	tctcagtcag	ggctgggctc	cctccacact	ccccaggcca	2820
gtacctgccc	tctgcagcag	ctgggaagga	ggcttagtgg	agcccacgtg	ggcctctggg	2880
gtgcacatgg	gggtgggaatg	ctccgggggt	gacacaggcc	acggtggctc	cagccaggac	2940

cagccagacc	agcagagcag	ggagccactt	gccaggggtgg	aggaggagca	ttgtccaggc	3000
atggcctgtg	gcccagagggc	caaccaccga	gcaggtcaca	gcacagcagt	gactcgggtga	3060
ggggag						3066

```

<210> 4861
<211> 1462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(809)
<223> similar to gi3647336 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4861	
cggacgcgtg	ggcgcagtg
gaaagtgggg	ttccgcagcc
gaagtgcgaa	atgaggatga
gaggtcattg	acgaggaagt
tatgacggaa	ttaagaaatt
gaactaacag	atctcttaat
gtttcagaag	acagcaatga
ttaaatttaa	ctgaaagaaa
cgcttctgtg	agaagaactg
gacaccacca	agcctgtggg
atcgctctgc	ccatgtacca
aagccatgtg	ggaagtgcta
aaaaacaatt	ccaaaaagaa
gcagaggaag	aattttttcta
acaagaagag	gatttgaacc
acagccctgg	tttctctgaa
cagggaaacct	tcatgactgt
gctcatagtc	tcttggaggg
atttgttagt	tcggtttgag
agagtttgag	ataccttggt
tattttgtaa	tgattaggat
attaaagtca	gtatacttga
actctgataa	aggggctatc
aagagtcaaa	caatttgctt
actatcacct	ttaaaaaaa
	aa

```

<210> 4862
<211> 471
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (384)...(240)  
 <223> similar to gi4185939 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4862  
 cccacgcgtc cggcgagatg gagggctgaa tttttaaaga gaagaacagt gggatgttat 60  
 tttcaggcta atagaaatgg tgagatattt aggtttgtaa ggagaaaaag aaaggtaatc 120  
 aggataagtg tgattagtta gatgggtctc cactgtcatc agggaggatt gatttacacc 180  
 cattgtgatt tgggtgtcct gtttctgagg agtcggcaca gatctacca catctgaagg 240  
 cagtctctga cacagacgtc tcttcactgt ggttttgatt gtcagtattc acaagaagct 300  
 tgagtcttct ggtgggcacc cagacagggg attgatgatc tcctggtgaa acacaagcat 360  
 atcctcttcc ccacgttaag tagaataaga gacaatattt aaaggtttgg ggaaatcctg 420  
 taaggcagta atcacagcaa ttaactccgc attttgaaga gaactcgtgc c 471

<210> 4863  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (458)...(196)  
 <223> similar to gil45458 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4863  
 acctcgtaga ccctagtcag tgtgatgggt gagatagaga atgagtaagg cacgcatgcc 60  
 gtaaaaactg aagtactccc agatttggat cgccacgata tagtatatcg cgcgcggctg 120  
 tgagggtgtt ttcattgtgtt ctccattatga gcaaaaaagg gaagtggcaa gccacttccc 180  
 ttgtacgagc taattatttt ttgctttctt ctttcaatac cttaacggta tagcggccat 240  
 cagcctgacg gtatgcaccg tgaatatcgg tttcaaagcc cgatagtgta gcgccgattt 300  
 cacacagcat ctgcaggaac tccagaaccg gacggcttcc ttcggtgatc atttcacccg 360  
 gcattaccag aggaactccc ggcgggtacg gaaggatcat attggcggtta atacgacct 420  
 ccatttcgtc gaggtaaaact tcttcgggtca taccgtg 457

<210> 4864  
 <211> 792  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (57)...(705)  
 <223> similar to gi3043734 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4864

aatgtggcta	ctgaaaccta	atgggaatgc	aaatagaact	tttttgtctt	ctcaagtgtt	60
ccaagacctg	tggacgaggg	gtgaggaagc	gtgaactcct	ctgcaagggc	tctgccgcag	120
aaaccctccc	cgagagccag	tgtaccagtc	tccccagacc	tgagctgcag	gagggctgtg	180
tgcttggaag	atgcccgaag	aacagccggc	tacagtgggt	cgcttcttcg	tggagcgagt	240
gttctgcaac	ctgtggtttg	gggtgtgagga	agagggagat	gaagtgcagc	gagaagggct	300
tccagggaaa	gctgataact	ttcccagagc	gaagatgccg	taatattaag	aaaccaaatac	360
tggacttgga	agagacctgc	aaccgacggg	cttgcccagc	ccatccagtg	tacaacatgg	420
tagctggatg	gtattcattg	ccgtggcagc	agtgcacagt	cacctgtggg	ggaggggtcc	480
agacccggtc	agtccactgt	gttcagcaag	gccggccttc	ctcaagttgt	ctgctccatc	540
agaaacctcc	ggtgctacga	gcctgtaata	caaacttctg	tccagctcct	gaaaagagag	600
aggatccatc	ctgcgtagat	ttcttcaact	gggtgcacct	agttcctcag	catgggtgtct	660
gcaaccacaa	gttttacgga	aaacaatgct	gcaagtcatg	cacaaggaag	atctgatctt	720
gggtgcctcc	ccagcacctt	agggccaggg	gcttaccttt	caacctctag	agagaccacc	780
tgcttttgag	ag					792

<210> 4865  
 <211> 1214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1215)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (938)...(102)  
 <223> similar to gi5669015 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4865

ttttttctta	aggaacttat	aacttattat	gggatccagt	cctaaagtag	attagaccga	60
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atgaactctc	cgatgtctaa	tgagctctga	gcaccatcca	taagctttcc	cacattcttt	180
acataataaa	ggtttctctc	cactgtgaat	tctccgatgc	tgacttagat	atgagctttg	240
actaaaggcc	ttcccacact	cattacactc	atagggcttc	tctcctgagt	gaatcctctg	300
atgctgaaca	agatgagcac	cccactctga	ggccttccca	cattcattac	attcgaaggg	360
tttctctcct	gtatgaattc	tctgatgctg	accgaggttt	gagctctgtt	tgaaagtttt	420
cccacagtca	ctacacttat	agggtttctc	tccagaatga	actctctggt	ggacaacaag	480

atgtgagtta	taaatgaagg	ttttaccaca	ttcactacat	tcatgggtctt	tcttcctgt	540
gggaatttcc	ttatggatga	caaccatctg	cctgaaactt	tcctcctggg	caggggacca	600
cctcagtcct	tccgcttttg	gatttctctg	ctgcagttct	aaggtaccct	cagaggtagc	660
ttcaaatgta	gaggtgtcag	tagcaagttt	ttctgagaac	acctgtgatt	ccacttcagt	720
aatgggtggt	tgtggcaatg	atcctttgtc	cttgggctct	gggccatctt	ctgtaacaac	780
tgacagaaaa	tgtaaata	cctgttctac	ctttgggaaa	ggctgggtct	ccttaggctg	840
gagctggatg	ctcagtgcct	cctgggctgc	tcccagagat	tccttcttct	cccatggctc	900
ttcctgtgca	ggtccatgtg	cagggcctgg	gacaagactg	ttcctcttcc	tttgggtccca	960
tcattcatcat	cttctcttgt	ccctgtgtac	cctgaagggc	cagagtttca	gctgctgtta	1020
gtgatacagc	catcctagtc	tgcactagct	ctgcagaagg	ctcataccag	ctggaatctt	1080
gcaagggccc	cctcacagga	ccaggaggtt	ccatcggggc	gctgccgcga	ctcgcgcccg	1140
ntcgcgtggg	tctacacgcg	aatttcgac	cggtagacgc	ggcgtcgatn	nnnnnnnnnn	1200
nnnccccaat	ccca					1214

<210> 4866

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (38)...(421)

<223> similar to gi5911924 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4866

atagtagacc	ctcgtagacg	tctagtcagt	gcggtggaat	tcccaggtca	attcagagac	60
ccaactgaag	cagcacatga	gcagcaggag	gcacaaagac	cgcttgcccg	ggaagacccc	120
caagccctcc	agccagcaca	gcaagctgca	gaagcacgca	gcgctggctg	tgagtatcct	180
caagtctaaa	ctggccttgc	agaagcaact	caccaagacg	ttggcagccc	gcttcctgcc	240
cagcccgtct	cccaccgcag	ccactgccat	ctgtgtctctg	ccagggcccc	tgcccctccg	300
ccctgcccct	acaagaggca	ctaccctctt	tccggctccc	atcctgggcc	cagctctggt	360
tcgcacccca	gcaggagctg	tccgcccctgc	cacaggacct	atcgtccttg	ccccttatta	420
gccctcatgg	ggaggccaga	gctgatttcc	caatagccac	tccttgctct	ctcctgtcct	480
gagacacctt	ggtttcctac	atgccacagg	gactgtgaac	agcttcaggg	gtcctgcccg	540
atccagaaa	agctgggcta	gttttaaggg	cagctgcctt	ccaaggactg	tccccaccct	600
ccttttcgag	gccttcagg	gttaatccta	ggcttgccctg	gcatttccca	ccctgacaga	660
ccccaaagat	ctatgcaaaa	tctcagcccc	agccatgtgg	gtgctttcac	ttttccttcc	720
accaaggac	ccacatgggc	cagattctag	ggaatcttta	ggtttttaca	aggccatcc	779

<210> 4867

<211> 3041

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(3042)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2998)...(2588)  
 <223> similar to gi34765 in the genepept database release 114,  
 Run with FASTXY 3:3t00, default parameters

<400> 4867

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actaatttca	gaacattttc	atcacccgaa	aaagaaaccc	caaaccctta	gtagtcatgc	120
ctcatctctc	acagcctcca	ggccctggca	aacgctaate	tatattccac	tctatatagg	180
attcgggtccc	atttttaggac	atggcatttc	aatgcaagtc	aggacaatat	gtggggcctt	240
tgcaacctgg	cttctttcac	tttaggcaag	ttttcaaggc	tcatccatgt	tgtggcatgt	300
gtgagtactt	catttccttt	taagagtcta	ataatgggcc	attgctgggg	acagaccaca	360
ttttatttcc	ccattcatca	gttgggtaga	catttggggg	tggttccact	ttttggctat	420
tacaaataat	ggtggccatg	aacattgggt	tacaagtttt	tgtgtgtatg	tacgttttca	480
tttctcttgg	gtaaatacct	aggagtggca	ttcctgggtc	atatggtcac	tctacgttta	540
actttttgag	gtactgccaa	actgtttttc	aaagcagggt	caccattttac	attcccacca	600
acaattttaa	tttctaccag	tttctctaca	tcctcaccca	cactcgttct	tgtccatctt	660
tttattgtag	ccatcctagt	gattgtaaac	tggaaatctc	ttgtgatttt	gacttgcatt	720
tcctaataga	ataataatgt	tgagtatttt	ttcatgtgct	tagtagccat	ttgcatactt	780
tctttggaga	aatgtctatt	caaaccgtta	gccatttttt	taaattgatt	tattttttctc	840
cttattgttg	tgttataaga	gttattttata	tattccagat	acaagcccct	tatcatatat	900
atgactcgca	aatattttct	cccattctgc	aggttatctt	ttcaccttct	tgataggggtc	960
ttttcaatca	caaagcttc	aaatcttgat	taagtccaat	ttacctattt	ttccattgggt	1020
tgcttgtgtc	tttgggtatca	tatctaagaa	accactgcct	aattcaaggt	tacaaagatc	1080
tatgcctatg	tttctttcta	agattttata	gtttcagctc	ttatatattag	atcttggatg	1140
cgttttgagt	tgatttttgc	acatagtgtg	agtaaagggtc	caacctcatt	cttttgcact	1200
tgcatatcat	tggtctgggtg	ccatttgggtg	aaaagaccct	cccttctcta	ttgaattgtc	1260
ttgggaccct	ggtcaaagat	cagtggaccg	taagtataag	tgttcatatc	tgtactcttt	1320
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taaattatga	aatccaggaa	gtgtgaatcc	caccaacttt	gttctttttc	aaggcttatt	1440
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taaaaaagcc	agctatgatt	ttcataagga	ttgcactgaa	tctgcatgtc	agttaggata	1560
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tgtgtgtgtg	tgagttcctt	aggattttct	atatacaaaa	ctgtgtcatc	tgcaaatagt	1920
tttacttctt	cttttctctat	ctggatacat	ttatttcttt	ttctttccca	aatgcttctt	1980
aaacatttagc	ttcttaaaca	tttttaaccc	aagttctaat	aggtccactg	cgccagatgg	2040
tcttacaagg	taatccccct	tctcttaggg	ctaccctctg	acaagctggg	ccccaggac	2100
cccagcattt	gttcgcttaa	aggcaaatac	actttgaggt	caggaggatc	ttagcaccac	2160
ccttcccatc	tgagggtcca	accccactgc	ttaccccaag	tccagaacac	tggacttcct	2220
gaccaaatg	gtcaccaatc	ctatattttac	cgcttttccc	aatatcccag	aatgaagaag	2280
taaaaatata	ctggagtgaa	attacaagtc	caggagaaaa	aacaagccac	tactgcccac	2340
gggcagcagt	gggttcaggg	tggtagaagt	acgtgtagga	ggccagggtg	ttgtctgatg	2400
gctgagtccc	ctatcatctt	ccatcatgga	ggccactctc	cacccactgc	aagccacccc	2460
aaggagggga	gggatacaaa	ctgataggta	ccttatacac	aaacatacgc	catcacctag	2520
gagcagagca	cttatgccag	cacagcctga	gcctcagggt	gcagccctgg	ccttggctgg	2580

tgggtcacgc	cgtggatggc	tgaggagcagc	tctcttggt	ggagctgca	tggctcagga	2640
caaaggagga	cgagttgctc	tttttgctgg	cactcgtctc	tcccaggcgt	ctgcccttca	2700
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tgaaggccga	ggcttccttg	ggcgcggttg	catcccagac	gctccacatc	tgcacgaaga	2880
agaaaggcgt	ccagcacacg	atgaaggcca	gcacgatgat	gaaagtcac	ttgaccgtgc	2940
ggatcttggc	cttggagatg	agcttgacgc	tgtgacacg	cggcagggcc	acgcgccgaa	3000
ttccaccgca	ctgactatgg	tctcgatcct	aaangngctc	g		3041

<210> 4868  
 <211> 935  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(936)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (3)...(122)  
 <223> similar to gil83443 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4868						
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cccagcccgt	ggcagccccc	cggcgactcc	ccatcttcaa	tgcacatctc	gtttctgagt	120
gacaaagtga	ctgcccggtc	agatcagctg	gatctcagcg	gggagccacg	tctcttgac	180
tgtggtctct	gcatggaccc	cagggctgtg	gggacttggg	ggacagtaat	caagtaatcc	240
ccttttccag	aatgcattaa	cccactcccc	tgacctcacg	ctggggcagg	tccccaagtg	300
tgcaagctca	gtattcatga	tgggtgggga	tggagtgtct	tccgagggtc	ttgggggaaa	360
aaaaattgta	gcatatttaa	gggaggcaat	gaacctctc	cccacctct	tccctgcca	420
aatctgtctc	ctagaatctt	atgtgctgtg	aataataggc	cttactgcc	cctccagttt	480
ttatagacct	gaggttccag	tgtctcctgg	taactggaac	ctctcctgag	ggggaatcct	540
ggtgctcaaa	ttaccctcca	aaagcaagta	gccaaagccg	ttgccaaaacc	ccaccataa	600
atcaatgggc	cctttattta	tgacgacttt	atattattcta	atatgatttt	atagtattta	660
tatatattgg	gtcgtctgct	tcccttgat	ttttcttcct	ttttttgtaa	tattgaaaac	720
gacgatataa	ttattataag	tagactataa	tatatattagt	aatatatatt	attaccttaa	780
aagtctattt	ttgtgttttg	ggcattttta	aataaacaat	ctgagtgttn	nnnnnnnnnn	840
nnnggggcgg	ccgtttttaa	ggatccttcg	gggggcccac	gttaacgcgg	gcatgcaacg	900
taatagtttt	ttccttatag	ggaggcgaat	aaaaa			935

<210> 4869  
 <211> 926  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(927)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (887)...(600)

<223> similar to gi3789797 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4869

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gtcccagtgc	acgcgtgtgc	acccgtctac	aagatccagg	taaagatggc	acacggcaga	120
cgacgacagg	aaggacacct	gctccccacc	cttcccggga	ccccgccatg	tgcaaaattc	180
gagctggggg	ctgcagctgc	ttggagagac	ccagggcctc	ttgctccaca	gcctgcaagg	240
tttgagcagg	gcaacggccc	tggggcggtg	aggccccgc	ctgggtcact	ccccgcgcc	300
cccatgcagg	cagtggaggg	gaggacacgc	aggaggacca	gacgctaaag	gtgtaaacgg	360
ggcagccgtg	gcactcctca	cctctcaata	agataaataa	ctaaataaat	aaacaactaa	420
ataaagacat	gaaggaatgg	atgcagagac	gtgaacggat	ggcgcaggac	gtccctgggtg	480
ggggccacgg	tccctttaag	gcatgtggga	ggctgcaggc	ctctgggtgt	aggtgggtca	540
gaggctgggtg	gaggacacgg	acagcgtcgg	ggaggatggc	ggcgggaaat	tgagcagctc	600
cagcaccgcc	acacccacac	tgctgcgcgg	ggtgaacatg	caggatgcgg	ccaccactt	660
gttggtcctc	gggttgact	tctcgatgga	gttgaggctg	gagctaccgt	cgttaccccc	720
cacggcgtag	aaccatccgt	ccatggccac	caggtcatgc	gtgctcctgc	ggatattcat	780
gggcgccacg	ctttcccagg	ctccagcctt	tggactgtat	ctctctaccg	agttgaggca	840
gctggtgccc	tcgttgcccc	ctgccacgta	cagggcagaa	ttccnccgga	ctgtacaatg	900
gtctcaaaac	ttttttcctt	tatttc				926

<210> 4870

<211> 3992

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3994)...(686)

<223> similar to gi4589642 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4870

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gaaaaaaata	tttctgacca	ttttccaaag	accagaaata	ggaaagtatg	ttcatatata	120
ttcaacgtat	actgcacata	ttggttacta	caatacaaag	caatgagttt	ttttaaagtg	180
tagtttgcaa	gatggcacgg	ttagtagggc	tactggctt	tcatctgttg	ttgctggagg	240



gtgcagtctg	ctctcccata	catacagtag	catgtaaaca	catcaggctg	agcgcgtggg	300
ggtggtaggg	caggttgggg	gcataagagt	tgggaaccaa	gcgcagataa	gtcaacagct	360
ttttagggct	ttcttggggg	aaggccccct	ttctgggtga	gtaggttggg	tgacccccac	420
ccaagtggga	gggggagact	gggggacat	gggaaacatg	ggacagctcc	cacgaagggg	480
ctccttgac	tgcaagaattc	cactcaaggg	atcttgggtc	caggagccga	gctgccagta	540
tcagtggaga	aggacaaggt	gcatggggat	ccccccagca	acatcaggat	ggccatgccg	600
ggcaccgct	ttcctctgtg	caaattcagg	atgaaagact	aggaggggac	tagaggacct	660
cttgctctct	ctctgtttct	tgttacacgc	ctgectgtc	catgctgaag	gagacttcgg	720
ggtgcttgta	gctgagcaga	atgtctgtaa	tacacgtaga	tggatagcaa	gaggagttaa	780
aatgctggct	gccatcactc	aggtctgggt	gctcatgacc	tcccaggctt	gccccacatt	840
cctcattttc	cccacctga	aactgctggc	tgcccatgag	cgaagactga	ctgagaactg	900
catccgacat	ccgggcagag	ctaagtgtct	tcccagccac	gagactcatt	cctggcaagt	960
tatccagctg	tacataagca	tcgtcgtgt	tctggatcgt	gtggtgataa	gagtcagcat	1020
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gcgcctggtc	gtagttagca	ggggagaacc	gattcacgtt	caagctgtga	gcctctgcac	1560
tgtcagcact	cagctgcttg	gacaagggac	ggtgcccata	gctgaggggtg	gccatcaggt	1620
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gaggagagga	acagttctca	ggttgcgtgt	gaaagattgc	actgcgggaa	ggtaagcctt	1860
gaaactggga	agaagatgca	gccccgtgag	gctggatcat	ggcactgtct	atggggggag	1920
gactattact	gggctgcctg	aagagatggt	tggtgggggtg	gttggggggg	gggcttgaag	1980
gctgaatcct	taacctctgg	agctgatggg	taaggagggc	tggctgattt	tcacatgcag	2040
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tttgatgggtg	ctgctcctgc	tggtataaca	tatgctgctg	ctgggtcttc	tccaggggtc	2160
tttcatcaat	ctgccccccg	tacatcttct	gcagctgtct	acactcctgc	tgcatgtgtt	2220
tgatgctgct	gttggtgccc	attttttcca	ggtgagcttt	gaaggcctgg	atgctcgcag	2280
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agtccttgta	ggtagagctc	tgcacagctt	cctggctgtg	ctccccgtct	gagctctcct	2400
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gtgggcgctt	cagcagctgc	tgggcatgca	gttggatgtt	ggctcctcca	tctgatgccc	2520
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gctccttgta	ctcaagtgtc	ccggttgggt	gcaagttttg	cataggcaac	aggttgtgca	2640
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gcacctgggg	aacgctgatg	ttcatagcag	tacctgcctg	ctccgcctgc	agtgtctgtt	2940
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gtctttcttc	ctttagtgtg	tggcattcag	ctattaacct	gtcaaagtgt	ggatcggcgt	3060
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catcatattc	ttttccttca	aagagttcag	gtgcagcata	gggagggctg	ccacaccagg	3360
tcttcagcag	ctgcccagga	gtgaagaggt	tactgaaccc	aaaatctgct	attttgatat	3420
tcagattggc	atccagaagt	aaattttcag	cttttaaatc	acgatgaaca	atgttccgac	3480
agtgacaaaa	atagacagct	gtgacgatct	gtttgaactt	ccgacgtgcc	tccttttctg	3540
ccattctacc	atgggccacc	aggtgggtcaa	atatttcccc	tccactagca	tattctgtca	3600
ccagataaat	catccgttct	gtctccataa	cctggtagag	cctgatgata	tgggggtggc	3660

aaagcatctt	cataatttga	acttcccgga	aaatcttctt	caagttttct	tcattccagct	3720
gggtcttata	tatgatcttg	atagcaacct	tggccttggt	gacgaggtgc	gtggcccgc	3780
tgaccaccgc	gaagttgccc	ttgccgatgg	tgcggtcgat	ctcgtagtag	ccgatacggg	3840
cgggcatggg	tccgcgggag	gccggggctg	ggggacgcgg	ctggccggcc	gcaggggaca	3900
cggcagcggg	ggcggctggg	gaccccggcg	cgggcgagg	cagcaggcgg	cccgcggggc	3960
cggtccccc	agtcccggcc	ccggcagccc	cg			3992

<210> 4871

<211> 883

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (16)...(563)

<223> similar to gi3335391 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4871

gcaattcgac	agcactttct	ccaattccgc	taccggctcc	cactgtctca	tgtggacacg	60
ctgggtatat	ttggtgacat	cctggtagag	gctgttgat	tctgaacat	caatccattt	120
gtggagggca	gcagagagta	cccagctgga	catcctttcc	tgctgatgag	ccccaggctg	180
gaggtgccct	gctcacatgc	tcttccccag	ggtctctcgc	ctgggcaggt	catcatagta	240
cggggactgg	tcttgcaaga	gccgaagcat	tttactgtga	gcctgagga	ccaggctgcc	300
catgctcctg	tgacactcag	ggcctccttc	gcagacagaa	ctctggcctg	gatctcccgc	360
tgggggcaga	agaaactgat	ctcagcccc	ttcctctttt	acccccagag	attctttgag	420
gtgctgctcc	tgttccagga	gggagggctg	aagctggcgc	tcaatgggca	ggggctgggg	480
gccaccagca	tgaaccagca	ggcctggag	cagctgcggg	agctccggat	cagtgggaagt	540
gtccagctct	actgtgtcca	ctctgagga	tggttccagg	gaaataccgc	cagaaaacaa	600
gaaggtcagc	ccaactcccag	gggccccact	ctcctcccct	cattaaacca	tccacctgac	660
accagcacat	caggcctggt	tcacctctgg	ggtcacgaga	ctgagtctac	aggagctttg	720
ggcctgaggg	aaggcacgag	agtgcaaagg	ttcctccaac	tctgcacttt	cctccaccag	780
gagcctggga	tatggctcca	tctgccttca	gggcctggac	tgactcaca	gaggcaagt	840
ttgtagacta	acaaagatac	tccaaaatac	aatggcttaa	aga		883

<210> 4872

<211> 2480

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2481)...(385)

<223> similar to gi5911953 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4872

tttttttttt	ttctcacttg	gccgacttta	tttttcagga	aaaacagaaa	aacaaatgta	60
cctcttgggt	tggaaaggac	ccattgacaa	catggcacag	acgtgagcaa	taaatacgca	120
catacattca	agtatgcggg	ggggcgctac	gtcctggaga	ccctgtgttc	gggcacctgt	180
ccctgtcttc	gggtgcggcc	ctgccccctc	agaagcaggt	cacctcacca	ggcccagatc	240
tgcctctcca	tcctagcctg	agagtggggc	ctagaggcac	cctcctagat	ggaactgcca	300
gccctggggg	ctgtggggcc	atggtagggc	ccttggcagt	cttgggaggt	gccaaggctg	360
ggtctggaca	ggaggaggca	acctcaggcc	cctggggccc	atctcaggct	ccagcaggtc	420
ctgccagtcc	taggatcccc	aacttggtgc	cctgtgagcc	ccctccccat	ggagagagca	480
gtgatgtcat	ctccccagc	tggtagggag	aggggggttc	tcatatgggg	ggtctgcagg	540
gttgagctga	gtgaagcctc	cccagcttcc	actgaccacc	cccccaactg	ggtgagggtc	600
acagagcctg	gtgtacctc	ccaccctgac	tgggcactgc	tcttgctgcc	agtaagcatc	660
cctaggacca	ggccctgccc	tttttccctg	cttgggggtt	tggaatgtcg	aagtcatgc	720
ccagccattc	cctctgcttt	agagataggc	ccggtcctcg	tcgaggcccc	tgaggggccc	780
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accagctctg	gggggacaga	acatggccct	gtccttggtg	gccccaaag	gcggctcaga	1020
gacacctttg	gggaggggtg	gggagacagc	aggggtttcac	atttggcagg	gcagggcaga	1080
acgggaaggg	cttgggggag	aggatgcggg	agtctgacag	caccaggctc	gggccgacat	1140
gccgaaggcc	ccgtccggcc	tgcggcaggg	gcagaaggga	ggaagctgag	ggccatgggg	1200
gccagcccgg	gatggaagca	cgccctccca	ccacgggcag	cttggcctga	gcctgtcgcc	1260
ctgggtcggg	gaggccgtgg	ggctgcctgc	ccagtgcctg	tcctcgga	tggcctcggg	1320
aggacgtggc	tgtgactgtg	agaccggcgt	ccaggagtgg	gggcagggtg	ggcctggcgg	1380
tgggcacagg	gccttagctc	gcaccaggct	ggcactgctg	ctggggctcg	ggcggggccg	1440
ctgccccctg	ctccgggccc	ccgggcgagg	tccaccgcgt	gctcgtccat	gcgttagcc	1500
tgcacctct	gaatgaggct	gaagaagtcc	tcgtccggca	tggtagggcc	ccggggcagt	1560
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ctgtgggtga	ttcgcagccc	cggcaggctg	cccacgctgg	cccgtgggtc	gtccagccgg	1740
cggctctggg	agctggcgat	gaggctgaag	aattcctcgg	tctggggcga	ggccgtcatc	1800
gagggtcggg	cgatcctgtc	ctccagggtg	ggggcgcccg	tggcctcggc	agccccggcc	1860
tggccatcgt	ccaggggaca	acgctggctg	tccatgcggc	tgtctggaa	cttgggtcaac	1920
aggtcaaaga	agcactcctc	gtccgaagac	ggggccctcg	ggatgctcgt	gcgtggcacg	1980
tgcaccggga	cgtcggcgct	gtccagcggg	gagtggctgc	cctcccgggg	cctcctctca	2040
gcgtccgggc	cttcttggtg	cttctgtctc	ctcacgggga	ggggtagcga	gtccctgctg	2100
ggcccccgcc	agtcccctga	atggtggctg	tctccattct	gtccccgctc	cagggggagt	2160
ctcagcaggt	cccagggtctc	cgcgtcagc	ctctgcgtcc	tcttgggtct	ggccccctgg	2220
gcctcatagc	cggccaggte	aggttctct	gaggctgccg	ggctggtcag	gcggccgagc	2280
accagctgca	gctgcgccac	gttcatgcgg	gccgtgagct	ccccatggcg	gtccccgac	2340
tcttgggaga	tctgcagggt	cttcttggcg	aaggtcaggg	cctgcgctgg	gcgccccatg	2400
gacacgtagg	catttcccag	gtccagcac	gccccgccct	cgccccactc	gtcggccagc	2460
tcttgggcaa	tgagcaggtg					2480

<210> 4873

<211> 947

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(948)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (559)...(410)  
 <223> similar to gil89842 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4873

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ttttgacaga	aagtatcaga	aatgcttctt	tcctgggaaa	aggaatataa	atgacagcaa	120
gacacatttt	agttgctact	aaagaacagc	attattttca	atcattttta	gtcgcctcatt	180
taataagcaa	ggtataaaac	agattaaagg	tgggagcctg	caaaagggtg	attaaaaaag	240
tgtttctctc	ccgggaaaca	gcactgtttg	gtctgatcaa	atgccgaagc	tgggatctga	300
ttctgggtgc	cgtctctcgc	tactggagtg	ctgaccagca	ggctgccccat	cacgaaaaga	360
ggttgcaagg	ccaggccccc	aggtgcgctg	ggatttcttg	ctgggtctac	ttggggccag	420
agaagggggt	aaaggccttg	tcacagcctg	ccatgcatgc	ttcaatctct	tccacagtgc	480
ggggcacgca	ggtcagcagc	tctatgccgc	tgtcagtcac	cacgacgtcc	tcctcgatgc	540
ggacctgggt	caagccgaca	gacacacatt	atcatagagc	agcctcatgt	gccaggctag	600
agggccgggc	ccattccagg	cccacccac	catgggatgg	gagcagctga	cactccctgg	660
gagacgggtg	gcctccgggc	tccttcatgg	agccatctgc	ccatgtcacc	tgctcaccct	720
gtctttgcca	ggtggatggg	agcccttgga	gcgggcaggg	gttttgagg	atctctgtct	780
gttctactg	aggggtgagg	ctccatctg	tgacagacca	cacgaagggg	caggctaagc	840
ccacctcaag	ggaagatgtc	actagggccc	ctgtcttggg	actaaggagt	ctgcagctgc	900
gaattccncc	acagtgactg	aggtcatcaa	ttnnnnnnnn	ncgctct		947

<210> 4874  
 <211> 2271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (40)...(934)  
 <223> similar to gi2407788 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4874

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gccttgtgtg	tcttcgatgc	acatgatggg	gaagtcaacg	ctgtgcagtt	cagtccagggt	120
tcccggttac	tggccactgg	aggcatggac	cgcagggtta	agctttggga	agtattttgga	180
gaaaaatgtg	agttcaaggg	ttccctatcc	ggcagtaatg	caggaattac	aagcattgaa	240
tttgatagtg	ctggatctta	cctcttagca	gcttcaaagt	attttgcaag	ccgaatctgg	300
actgtggatg	attatcgatt	acggcacaca	ctcacgggac	acagtgggaa	agtgtctgtct	360
gctaagttcc	tgctggacaa	tgcgcggtat	gtctcaggaa	gtcacgaccg	gactctcaaa	420

ctctgggac	tacgcagcaa	agtctgcata	aagacagtgt	ttgcaggatc	cagttgcaat	480
gatattgtct	gcacagagca	atgtgtaatg	agtggacatt	ttgacaagaa	aattcgtttc	540
tgggacattc	gatcagagag	catagttcga	gagatggagc	tggtgggaaa	gattactgcc	600
ctggacttaa	acccagaaaag	gactgagctc	ctgagctgct	cccgtgatga	cttgctaaaa	660
gttattgatc	tccgaacaaa	tgctatcaag	cagacattca	gtgcacctgg	gttcaagtgc	720
ggctctgact	ggaccagagt	tgtcttcagc	cctgatggca	gttacgtggc	ggcaggctct	780
gctgagggct	ctctgtatat	ctggagtgtg	ctcacaggga	aagtggaaaa	ggttctttca	840
aagcagcaca	gctcatccat	caatgcggtg	gcgtggtcgc	cctctggctc	gcacgttgtc	900
agtgtggaca	aaggatgcaa	agctgtgctg	tgggcacagt	actgacgggg	ctctcagggc	960
tgggaggacc	ccagtgcctt	cctcagaaga	agcacatggg	ctcctgcagc	cctgtcctgg	1020
caggtgatgt	gctgggtata	gcatggacct	cccagagaag	ctcaagctat	gtggcactgt	1080
agctttgccg	tgaatgggat	ttctgaagat	ttgactgagg	tctctcttgg	cctggaagaa	1140
taacactgaa	aaaacctgac	gctgcggtca	cttagcagag	gctcaggttc	ttgccttggg	1200
aaacactact	agctctgacc	ttccatacct	cacttggggg	agcacagggc	cccgtctggc	1260
ctcctcacca	acggcagtg	caaaatcagc	ccccacatca	aggtggtggt	ctctgtgctt	1320
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tgcccgggtga	actcacttta	agcattggat	taacggaaac	tcccgaacta	cagacccttc	1440
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gttcttcaga	gctttctggc	tctctttccc	ccacaaaatt	cgacatattt	aaaaatctcc	1560
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tgcatgccc	ttggtgcttt	agtgaagaa	gcctaggctc	agaagcacag	cagcgccttc	1860
tttccgtttc	aggggttggtg	atgaaggcca	aggaaaaaca	tttatcttta	ctattttacc	1920
tacgtataaa	gttttagttc	attgggtgtg	cgaacacacc	tttttatcac	ttttaaattt	1980
gcactttatt	ttttttcttc	catgcttggt	ctctggacat	ttggggatgt	gagtgttaga	2040
gctggtgaga	gaggagtcag	gcggccttcc	caccgatggt	cctggcctcc	acctgccctc	2100
tcttcctgc	ctgatcaccg	ctttccaatt	tgcccttcag	agaacttaag	tcaaggagag	2160
ttgaaattca	caggccaggg	cacatctttt	atatttttca	ttatgttggc	caacagaact	2220
tgattgtaaa	taataataaa	gaaatctggt	atatactttt	caaaaaaaaa	a	2271

<210> 4875

<211> 1857

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1858)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1189)...(754)

<223> similar to gi3080544 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4875

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ctgggtcgac	agctgggagg	gcaggattgg	ggggaagctg	ctgggcgag	cccaggccag	120
gcaaccacgt	ccttcccctg	ctcccagggtg	gagtaggggc	ctcacgactg	cctcgatatac	180
cactgtcttg	gagcagcctg	gctaccccga	gatcccagggt	gacctcaagg	ctgcctgcac	240
ttcagcgcca	gcattgtatcc	tggcctgaga	accccaaaagc	accttaagcg	tccccctca	300
aagacaactg	tgcacccagt	cctcagggtgg	gaagaggaag	cccagccagg	cccgaatcc	360
gcctcctccc	cagggctcctg	ggagctctga	ctctccgggg	cgtagaccg	aaccagccag	420
gcgagagggg	gacccacggg	ccagggctcc	gaggcagcgg	ctgcttctgg	atatattttc	480
tttaaaggcg	aaatggttcc	gtctttggta	tgaacaccct	cactccaggc	aaaggagggg	540
gtgggcaggg	gccccggcag	gaggaggctc	tgcccagccc	ggggccagct	ggaggaagga	600
ccatgccaga	ggctcatgcg	gaggaaggag	aggcagcggg	ggttcggcct	gaccaggatc	660
caggaggagg	gctgagagcc	ccaaggccat	gacaggcagg	agccgggggt	gagaacaggc	720
aggagccagg	gctgagaacg	gtcacctggc	tcagggtctc	cgtagacca	cgccacgcag	780
gtgcagctca	ctctcggcgg	ccacgatggg	ctgcccgttc	tgagggtggg	ggtcgatcag	840
gtggctgatg	ctctcaaaca	gcacgtcctt	cgcccgtagc	acgcccctcg	ggtcacagag	900
cagcagggtg	ttgggctgcc	cggcgtgcat	gccgtgagg	acatactgcc	cggggttggg	960
gacgctgtct	cgcacaagga	agtccccgtc	agctcgaagc	atcctctctg	ccgcccggcg	1020
gctcatccgg	ccgtgggtacc	agggctcctg	acgcagctgt	tcctccgtgg	gggccacagg	1080
ggcccggcgg	gtaggggggc	tgggccactg	gtcctccaag	ggaagagggg	ctgctgtcac	1140
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cagcagctct	ttctttcaga	ggtttaactcc	tatttctttt	tcctgccttg	tcagggtggc	1500
ttccttccca	aagcgtagcg	ctctcgtttc	cttgtctggg	cttactgcat	tggccgcggg	1560
gcctccaatg	tgccctaaat	actcaagacg	acagccggca	cccctctctt	gcccctagcg	1620
ttaaaatggt	ctgccctggg	ttttctaacg	gcttccaaca	atgccaaat	ccgacaggcc	1680
actctaaggc	tctcctctga	gtgtcagtc	cctcattgtc	aaacaggggt	gggcgtgtcc	1740
ccaggcagaa	agcagcatgg	ttcagaccaa	acagagctgg	agccccagcc	ctgacggaga	1800
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<210> 4876

<211> 2357

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(823)

<223> similar to gi971461 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4876

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gtcctggttt	aaccacttgg	gaaagtatga	tgcccagatg	gacatctggg	ggggagagaa	120
ttttgagctc	tccttcaggg	tgtggatgtg	tgggtggcag	ctggagatcg	tcccctgcag	180
ccgggtgggc	catgtcttca	ggaaacggca	cccctacaac	ttccctgagg	gtaatgccct	240
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ctactatgag	gccccggcct	cggccatcgg	gagggccttc	ggcagtggtg	ctacgaggat	360
agagcagagg	aagaagatga	actgcaagtc	cttccgctgg	tacctggaga	acgtctaccc	420

agagctcacg	gtccccgtga	aggaagcact	ccccggcatc	attaagcagg	gggtgaactg	480
cttagaatct	cagggccaga	acacagctgg	tgacttcctg	cttggaatgg	ggatctgcag	540
agggctctgcc	aagaacccgc	agccccccca	ggcatggctg	ttcagtgacc	acctcatcca	600
gcagcagggg	aagtgcctgg	ctgccacctc	caccttaatg	tcctccccctg	gatccccagt	660
catactgcag	atgtgcaacc	ctagagaagg	caagcagaaa	tggaggagaa	aaggatcttt	720
catccagcat	tcagtcagtg	gcctctgcct	ggagacaaaag	cctgcccagc	tggtgaccag	780
caagtgtcag	gctgacgccc	aggcccagca	gtggcagctg	ttgccacaca	catgacggta	840
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ttgctgggta	gagactgagt	aggtgcccc	ggccctttgt	cctctccctt	ggcgcttctt	1140
ggggctggga	caatagtgtg	tggtctctcc	cttggtgccc	ggagaaagca	aggacagaag	1200
cccacacagg	ggtcttttgg	gtcatgaggc	ccagctgtgc	aggcaggcag	ggccagggga	1260
aattgggcag	catggatgga	gaggctgaag	gctgggaaga	gggaagggga	gaggggcagc	1320
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caagcccagg	gtggcactgg	gttgggtggg	gacggatggg	gtcttggcag	caaaggatgg	1440
gtaatttgca	aatgaacatg	gatagaagag	cagcaaagca	ccaaaagaac	aaggctctct	1500
accagggaca	cagtcctctc	cacactttac	cagccccagg	gtctgagccc	gacgctgcct	1560
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aggggaagat	tcgggcgtag	tttattaaac	agactccact	tctatttggc	catgtgtcag	1680
gctgagacct	ctctctcggg	cattaatgaa	cagctagtgc	cctgtccctg	ccgccaggac	1740
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ttgactcctg	ctttctcaaa	ggtttttgcc	tctgtcaata	cagcatcatg	ggtgggttga	1860
aagaagggaa	cttcccttct	ggaccaagaa	cagcccctaa	gtcattaggg	ttcaacctca	1920
cccttattcc	cctccccgct	acaggagccc	ctaagtcatt	agggctcaac	ctcaccctta	1980
ttccctcccc	tactacagga	gggattttct	tgaagggtca	gctattgcac	tgtgctggga	2040
ggctggctgt	ggctcctgtt	tgtgaagaga	actcccagtt	ccttttcaca	gccgctgaga	2100
acacatccac	acatctaccc	cacggccttg	tcttgggaac	tgctcctgct	atccccacac	2160
cctgcttctc	cacccccactg	gctcttgggg	caaatgactg	ttgggtacca	gggaccctgg	2220
ggggctcttc	cctaacaaaag	gcaggaccag	cctgggggca	gatattacct	taccacaggg	2280
agccccctgt	tttttcataa	gggccaagga	ttccacatta	cccattagga	ttttcatggg	2340
attttaggag	ggtttta					2357

<210> 4877

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1771)...(874)

<223> similar to gi4581563 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4877

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cttaagaatt	cattttacct	gctggtttcc	acaagctagt	tatgtgaacc	atgttttaca	120
aacaataata	atattacaac	aataattatg	gagaagttaa	ttggataata	gagcttttcc	180
acaattcaag	tagaaacaca	gaagaaactg	gataatttta	agtcctctaa	ctcaagacat	240

gctggtgcaa	gcctggcctg	cgaggcccca	ttgcctgcgt	ctcccggggg	ccttaggaaa	300
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<210> 4878

<211> 1345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1141)...(588)

<223> similar to gil504034 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4878

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acaattcttt	ctgcctatcc	ttactatgtc	gtcctctgca	agctgtcgcc	tctgtatata	240
agtacatcta	acaacactgt	catgaaaaat	ctataccaga	gatatgatta	attccacca	300
caactgatgt	atgttttctg	attatatattc	tcaagccaaa	tatctgcagc	aataacatgt	360
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aggaattgtc	tgcggtgaga	acgcc				1345

<210> 4879

<211> 1051

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (23)...(231)

<223> similar to gil504032 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4879

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aggaccacc	ctgccaacat	caagtgtgtc	cttctgtctc	ggagaccctt	ggggtgcggc	360
cctggccccc	tccacccttg	ctgggccaga	gcgggtgggc	agtgtcaagg	cccgtgtctt	420
cccaggtgct	tgtctgggact	cggggcgagg	gcacctggct	gtcacctggg	tgtgtgtgtg	480
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<210> 4880

<211> 2365

<212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (55)...(728)  
 <223> similar to gi3879185 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4880

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tgcttcgact	acgacagggc	gtgcccagct	cgcccgctg	tctggtggga	atggagcccc	180
tggagtgggt	gtgcagacca	gtgcaagcct	acaaccctg	tgcggaggcg	ctcggtgcag	240
caggagcctc	agaacggcgg	ggcgccctgc	ccaccctgg	aagagagagc	tggctgcctg	300
gagtactcca	ccccgcagg	ccaggactgc	gggcacacct	atgttcctgc	ctttataact	360
acctctgcat	tcaacaagga	gagaacacga	caagctacgt	ctccacactg	gtctacacac	420
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aatacgtatt	tcttggtcct	tatcatgtaa	tgacagattc	acaacagcaa	taaggatgga	2040
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